

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: N1RGN@aol.com
Subject: [3953] 'Scope and Explorer II
Message-ID: <961107230431_136777107@emout06.mail.aol.com>

Hello All:

I purchased a Heathkit Model 10-21 Oscilloscope this weekend at a hamfest and I would like to use it to monitor the signal from my unmodified 40 meter OHR Explorer II. I have never used an oscilloscope before so I am hoping someone can tell me how to set the 'scope up, where to connect the positive and negative terminals of the verticle and horizontal inputs and what the screen should look like when the system is running properly. Please feel free to assume that I don't know anything about this process 'cause I don't!

Thanks in advance for your help.

Dave Holler
N1RGN
N1RGN@aol.com

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: talljazz@teleport.com (Dan Presley)
Subject: [3948] A Fox Plea
Message-ID: <v01530503aea84e876e72@[206.163.126.42]>

I'm going to toss out a suggestion in regards to fox scheduling-if too late this year, then maybe for the next go-around. Out here on the West coast (Oregon, to be exact) the times for most fox hunting just don't work out well for those of us with families- 0100 to 0200 UTC is dinner/homework/PTA/Boy Scouts/commuting/etc. . I realize there are some staggered times,(2 of them at 0400 in Jan & Mar) and also the schedule needs to accomodate folks all over the country. Here's my thoughts-could we have the UTC times"move" with the change to standard time? That would at least give us out here (remember,Texans, I'm not a Californian!) a better shot at the critter. If this seems unworkable, I'd be interested in helping to set up a "hoot owl" hunt-you know, go really late like 05-0700 UTC-or, REALLY late on the weekends when there's almost no activity. Propagation is often very favorable this late; I have worked stations all over with good signals as late as 08-1100 UTC on 40. This isn't a complaint, just some ideas, and I really appreciate all the effort that Chuck and all the foxes go to in order to make this program happen-I just wanna play. too!
Dan N7CQR

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: lve1@inel.gov (Larry V East)
Subject: [3919] All those new calls...
Message-ID: <2.2.16.19961107173646.2ca72e3e@eloi>

Looks like about 100 or so list members didn't like their old calls -- and most traded for a 1x2 call. Someone mentioned that they had been envious of 1x2 calls ever since becoming a ham. Well, me too, I guess. I gave some very serious thought to applying for a 1x2 call with a nice CW ring, like N7NN (already issued -- darn!) or some such. I also considered getting my original call back -- W0CTK. Naw, that blasted "K" at the end was very confusing on CW! But when push came to shove, I just couldn't part with the "W1HUE" that I've had since 1976 when I moved to Connecticut (the FCC was making its "last pass" thru unissued 1x3 calls then). Gee, everyone knows me by my call (be that good OR bad :-); I would completely lose my identity if I got a new call. Worse than changing my name! So... "W1HUE for Ever"!

(Besides, that "1" sure gets the attention of Pacific Rim stations! :-)

72, Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Jack Bryant <Jack.Bryant@math.tamu.edu>
Subject: [3878] Antennas, SS, and wait 'till next year
Message-ID: <199611071259.GAA07763@fourier.math.tamu.edu>

Following SS, several of you asked about my antennas. Up till the week before I had been using a single longwire on 80 and 30 and a 4 square vertical array on 40. Those were the only bands I used. With the challenge issued by Chuck I knew I needed something better, especially on 20, since the longwire was useless except to the north-east there.

I live in the woods. Not tall, but thick, hard to walk through, impossible to put up any sort of antenna unless you can loft it somehow over the trees. The recent thread on that (using slingshot and fishing reel) helped me put up two new longwires. I had an existing longwire to the NE. The week before SS I put up two more, one NNW and one NW. The NNW critter is shorter than the other two, and the NW one is between. The lengths are, approximately, 120 m NE, 90 m NW, and 70 m NNW. The new longwires are up in the tops of 15 m trees. My version of NEC chokes when it tries to model the setup. Actually, there is more, even harder to model, because the wires begin at a tower used to hold solar

panels above the trees. The tower is 36' tall, and I have extended it with a steel pipe another 12', that is, about 15 m. The tower itself is wood, but there are wires to the ground and counterpoise on the corners, so it may as well be metal.

The wires go to a halyard tied to the pipe. Start the wires where they merge at 15 m elevation. Take the three down 2.5 m to a relay box that can select any of the three as a longwire and ground the other two, or use them in three V arrangements with an air balun.

>From there it goes straight down via wire cage coax to a remote tuner, with RG/8 to the shack. The tuner is a L-C-L or L-C network, with 5 kw components. Measured loss of the tuner and RG/8 is max 0.6 dB at 14 Mhz with swr 10:1 or less. This is about twice the feedline loss of the RG/8 alone, and seems unavoidable. Feedline loss is included in the measured loss.

The antenna is directive enough that if I had it switched NW on 20 or 40 then no one NE could hear me. Switching it NNW made it a killer antenna to MN and CO on all bands. It was really crummy to CA on 20, but that just left me someone to work on 40. It was best on 80 during SS, even though it is short there.

Whatever, it was good enough to compete with Chuck. We both had trouble during the test. Chuck and I both know we can do better, and the issue of who would win a head-to-head competition is not resolved. I got lucky this time. We'll be back next year. I'm working on a SS program; the ones I have tried to use during FD were just a pain. By next year the FT-301S and OMNI-A will join the Argosy so band changing will be painless.

-Jack W5TFB (vanity call enough for me)

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: "Laura" <sputnik@imt.net>
Subject: [3894] Bagged a fox!!
Message-ID: <199611071439.HAA07014@cu.comp-unltd.com>

Hello gang!

I'm just too excited not to share my experience last night with you! I caught my second fox last night, WB5QMP. I even had to compete with some friends here in my home town to snag him! I was so thrilled, my heart didn't stop pounding until I fell asleep and then it started up again this morning!!!!

This is so addictive. I can see myself a few years from now in some 12 step group:

"Hi, I'm Laura and I am addicted to QRP Fox Hunting dahdidah."

Anyway, I'm having a great time and improving my cw skills. Well, I better go because like you all told me...practice, practice practice!! Thanks for the fun and friendship!!

73 de KJ7UN

Laura

Laura Marino Lubner
Montana, USA
sputnik@imt.net
GHRC / ARRL / MARC / QRP-L # 790

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: penc@elan.mrwo.mcgill.ca
Subject: [3898] Callsign info
Message-ID: <9611071555.AA07201@elan.mrwo.mcgill.ca>

Sri fer the BW, but I have a friend in Korea who would like to know if his callsign change has been processes. I don't have full internet access at this workstation (borrowed time).

His name is Mark S. Leach, former cal WC1W. If someone has acces to the gate 2 database and cud look this up, please email me direct to save BW.

Thanks much!!!

Rich WK2A
penc@radar.mcgill.ca

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: rright@primenet.com (Roger Hightower)
Subject: [3943] Callsign servers
Message-ID: <199611080056.RAA15689@primenet.com>

I thought this would be a good test of just how quickly the callsign servers are updated, since I know when my new call was issued.

Checked UALR database. New callsign shown, but no previous info (former call, yr licensed)

Buckmaster - No new information. Searched by new callsign and came up blank.

QRZ - All information was there. Current call, old call, date first licensed, etc. Seems to be the only one to update in a reasonable time.

This might be of interest to those of us who are trying to get qrp qsl's with so many new calls.

72/73 de Roger N7KT

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: KFGlynn@aol.com
Subject: [3886] Comments from a newer ham SS KB2TE0 NLI
Message-ID: <961107094437_1383220513@emout19.mail.aol.com>

Hi gang,

Well I worked 80 QSOs and I think (don't have log here) 35 SPCs in 7 hours of operation. Rig Icom IC-728, 40M dipole and R5 vertical. Used Bencher straight key, and that was a challenge. I really have to get up to speed with paddles and keyer. That's my next venture. Been practicing off the air but I hope to get going soon.

I wanted the pin, but was beat on Sunday. My YL pointed out to me that I was up very early Sun morning to volunteer for the NYC Marathon and did not get back until the afternoon. As soon as I heard 15 and 20M fold knew it would be tough on 40M with the high-speeds going.

I thought what the heck, and tuned up my R5 on 80M just for laughs. I ragchewed for a few with a ham in ME and then worked 4 or 5 more QSOs. Couldn't believe it. I have to remember I've been licensed since Jan 95 and have come a long way since. I have my local club to thank, the QRP-L, guys in NJ-QRP and the many books and articles I've read by W1FB and others.

Tnx

72 Kevin N2T0

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: John Sullivan <sullivjd@tyrell.net>
Subject: [3941] customer satisfaction
Message-ID: <3282788E.4714@tyrell.net>

We frequently hear legit complaints about vendors, and rightly so. Maybe it was the nastiness of election, maybe I'm tired of in-your-face people, maybe I miss the 50's...I dunno. But I have something nice to say about Dick at OHR. I have no connection other than that of being a customer.

I figure the cat climbed up on the bench and made off with a reed relay from the kit I'm building. It was there when I took inventory. It was not when it came time to plug them into the pc board. E-mailed Dick about purchasing a replacement. Got a note back saying one was on its way 1st class mail, no charge. That, folks, is 1st class customer service. Right smart xcvr kit, too. I like to smile and Dick appears to be doing his best to make that happen.

I love the smell of solder in the morning.

73, KG0MZ

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: lve1@inel.gov (Larry V East)
Subject: [3908] Did my HW-9 Grow??
Message-ID: <2.2.16.19961107162445.2ccfa2ae@eloi>

I took my HW-9 out of the closet last night for the first time in a couple of years and couldn't believe how BIG it was! Took the cover off, and WOW! So much room on those PC boards! Gee... I can remember when I built it, it seemed awfully small! Has it grown over the years, or has my perspective been altered by my NorCal 40a and QRP-Plus? Ah yes... times, they are a changin'!

72, Larry W1HUE
(Old White Male Fart in Idaho)

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Art Winterbauer <art@comet.ucar.edu>

Subject: [3907] Fix for damaged QRP+ S-meter
Message-ID: <Pine.SUN.3.95.961107091534.28724B-100000@spike>

The S-meter on the QRP+ is used for measuring the strength of received signals as well as power output. The one on my rig hasn't been working for about a year now so I wondered if there was a fix for it without having to disassemble the whole thing to get to the meter.

I think what messed it up to begin with was a very strong signal. I was testing a HB QRP transmitter by feeding its signal to a dummy load. The QRP+ was hooked up to my station antenna (instead of a little wire). When I was doing this series of tests, in one instance, I forgot to switch down the RF sensitivity on the QRP+. A few days later when using the QRP+ in normal operation, I noticed that received signals barely moved the S-meter, with local, strong hams only pushing it to S5 or so. On transmit, at a full 5 watts, originally the meter would peg. Now it only wiggles spasmodically between S-1 and S-3.

Any clues to what damage I've caused? I'd be surprised if the S-meter itself is damaged. I think perhaps some other component(s) may have been damaged. Of course, I'm assuming that the strong signal it received caused this problem to begin with. In all other respects the rig seems to work per usual. This is an older, unmodified QRP+ (S/N 176).

Please post your suggestions to the group in case someone else has encountered a similar problem with a QRP+ or other rig.

72!
Art
WA50ES

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Brad Mugleston <bmug@gwl.com>
Subject: [3891] FOX Novice/Tech+ Corrections
Message-ID: <199611071505.AA15801@gp-ipc97.gwl.com>

The following are corrections to the Wednesday November 7th Novice/Tech+ Fox Hunt

time is in Zulu

Time	RST	ST	Name	NR	Call
0201	569	CA	JIM	???	N6EPD or N6PDX
					^^^^^==>> Correct
0218	559	CA	Gary	???	AA6RK

0225 559 CA Harvey ??? W6BAB
 ^^^^^==> This is a club call for Harvey
 0235 559 ?? Mal 5W AA7WT
 ^^^==> MT - this was on my next page of notes and I just missed it
 writing up the report
 0240 559 AZ Mike 47 NQ7K
 0315 459 ?? ????? ?? KC7NNL
 0318 359 ID Neil 119 WA7SSA
 03?? 349 MT LADRA 790 KJ7UN
 ^^^^^=> LAURA
 0337 449 OK BOB 129 AB7ST
 ^^^=> UT
 0355 349 ?? John 755 VE3BC
 ^^==>ON ^^^=>744 ^^^==>VE3JC
 ^^ I had "ON" in my notes but I didn't recognize it for what it
 was - DUMB ME

Thanks again for all the FUN - Let me know how the upper Freqs worked. The week before there were clear of all BC but not so this night in CO.

Thanks Again

de KB0ROL Brad

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
 From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
 Subject: [3888] FOX Report
 Message-ID: <M1136931.002.i9qe2.1.961107150128Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
 PRMD=MOT/ADMD=MOT/C=US/@MHS>

WB5QMP de N6WG

Congratulations, Randy. You are the first fox to make it into my QTH in the last five tries.

Heard you from about 0210 to 0220, running from 339 to 559. Tried but couldn't raise you during that period. Last station I heard you work was W6ULU. Then family decided to go out to dinner.

Got back about 0330, and band was spectacularly dead. Like 40m had crawled into a hole, and pulled it in after itself, leaving not a trace. Heard only two signals when tuning from 7000 kHz up to 7100 kHz. Hope you had decent enough propagation to get some more stations into your FOX log.

I know we are at the bottom of the solar cycle, but we had better conditions

than this during the SUMMER! Oh, well. Better luck next time.
 Thanks for the chance.
 72, Bob N6WG
 Newark, CA (on SF Bay)

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
 From: Randy Foltz <rfoltz@wsunix.wsu.edu>
 Subject: [3865] FOX Results
 Message-ID: <Pine.OSF.3.95.961106214818.10876A-100000@unicorn.it.wsu.edu>

Howdy, Gang.

It started off great. Lee, KI60Y, got me on the first call. He was strong, but faded away before I could get any thing. Soon the pack found me and off we went. I could hear that there were many others calling besides the ones I went back to. Around 0228 all calls just sunk into the noise. I could feel that people were calling me, but I just couldn't hear them. Look at the signal reports. Initially the sent and received are about the same. After 0230 I was giving out much smaller ones than I was getting. If you could hear me fine, but I didn't seem to have any ears, I apologize. The dry spell from AK1P to KE7X was very frustrating. Also note the contacts between 0243 and 0247 were very short distance. It was enjoyable. I just wish I could have rewarded more of you that spent the time in the hunt.

Texas-California score went to CA with 8 to 3.

Time	Call	Sent RST	Rcvd RST	State	Op	Nr	Distance (mi)	
0200	KI60Y	569	-	-	-	-	-	He'll be back
0205	W6EMD	579	569	CA	Dave	299	670	
0207	K1MG	579	589	CA	Mike	614	690	
0210	N5ET	589	589	TX	Bob	123	700	
0213	N7GS	579	579	MT	Mal	815	290	
0214	N6ULU	579	569	CA	Stan	66	720	
0217	KE5TF	569	579	TX	Linda	5w	1630	
0219	W5TFB	559	559	TX	Jack	288	1560	
0220	W6ZH	569	569	CA	Pete	257	870	
0223	KI60Y	449	559	CA	Lee	5w	670	Here he is
0225	WA6GER	559	570	CA	Jim	738	610	
0230	AK1P	589	579	CA	Paul	284	690	
0234	NQ7X	449	-	-	Lost you completely, Floyd.			
0243	KE7X	449	579	MT	Fred	-	290	
0245	W7LR	559	579	MT	Bob	606	290	
0247	KJ7UN	449	-	MT	Laura	790	290	
0257	AA0XI	339	-	Lost you completely, Marshall. He'll be back				

0300	W1HUE	339	559	ID	Larry	228	330	
0313	K06KA	339	559	CA	Rob	176	800	
0316	W7JDZ	579	579	ID	Mac	3w	330	
0317	N0UR	449	559	MN	Jim	799		i can't find your city
0321	AB7ST	449	559	UT	Bob	129	500	
0339	AA0XI	449	559	CO	Marshall	153	780	He came back
0341	W00Q	339	559	CO	Marty	793	670	
0347	KB0VCC	449	439	CO	Dale	-	730	

It was fun. Let's do it again in Feb.

72,

Randy

WB5QMP ARCI QRP-L NORCAL NWQRP ARS

Moscow, ID

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996

From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>

Subject: [3925] Frustratin' Fox (kinda long)

Message-ID: <3282293A.28F@uts.cc.utexas.edu>

Hey Gang,

Got back to huntin' the fox for the first time in nearly a month and my operating conditions were perfect. XYL was out of town and I had the house to myself, warmed up the rig for an hour before hand. I was ready to nab the little fella.

I knew the fox hunting gods were smiling on me when the appointed hour arrived, the Fox CQ'd right where I left my dial from the evening before. WB5QMP. I didn't even have to hunt. He was sitting right there in plain sight. He wasn't strong, but he was there. Looked to the left. Looked to the right. I could not hear another signal within 10 Khz on either side. Just the Fox. Was this gonna be the night or not?

I heard him come back to a California station or two and then a Tx station. Couldn't hear them, but the fox kept coming back. This was going to be too easy if he was hearing some Tx stations. I banged out a call, but missed him. Started into a second call and the phone rang. Another ham across town called for help with an antenna raising party this Saturday. Spent 20 minutes and came racing back to see if the furry devil was still there. Sure enough. Only signal I could copy was the fox. Started to call again and my daughter let herself in the

house, snuck up behind me and tapped on my shoulder. After she scraped me off the ceiling, I helped her load up a computer to take back to her house... another 20 minutes gone. Figured the fox was gone for good. But no, still there fading in and out. Knew I had just a few minutes before the band gobbled him for good. Started to call one more time and I didn't even finish his call when my XYL called long distance. HAD to take that one. Came back 30 minutes and no fox to be sighted anywhere. Sorry I missed your Randy, cuz you had a great signal under poor conditions last night. You had a solid signal into Texas and come February, I'll be ready. With any luck, the telephone company will still be looking for the shreds of wire coming out of the wall and I'll hunt you uninterrupted.

Looking back I should have known the fox hunting gods were fickle as ever. I heard a T2 (Costa Rica) talking to a DL4 (Germany) on SSB about 30 Khz higher in the band. Should have guessed the skip was bouncing around. Oh well, the hunt is still the funnest thing around. Thanks to all the Foxes for their hard work. Keeps the rest of us going from week to week.

72,73,
Gary, KJ5VW

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: John Dorson <jdorson@bbs.mpcs.com>
Subject: [3938] FS BACKPACKER II
Message-ID: <199611072251.RAA09200@bbs.mpcs.com>

ok everyone. this is the last chance for the BACKPACKER II.
if not offers, then i'll convert to 40 mtrs.

this is a 30 mtr unit with built in keyer.

great condition. asking 115.00 with shipping in us included...
Thank You

John Dorson Real Estate Consultant in Brevard County Florida
E-Mail To: jdorson@bbs.mpcs.com

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| Trying for WAS -      AL,AK,AZ,AR,CA,CO,CT,FL,GA,IL,IA,KS,KY,LA,ME,MD,MA|
| and worked these:    MI,MN,MT,NH,NJ,NY,NC,ND,OH,OK,OR,PA,RI,TX,VT,VA,WA|
|                     WI                                           |
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K2JHU only QRP... CQC #351, GQRP # 9092, QRP-L #672

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: john andrews <jm165723@eee.org>
Subject: [3864] fs: Heath & Paddles
Message-ID: <3281747D.1089@eee.org>

Hi Gang:

More stuff-

1. Heath HFT-9 Tuner-excellent and original. W/docs.
2. Heath HM-9 QRP wattmeter- excellent and original. W/docs.

Above sold as set only. \$55.00 includes shipping.

3. Vibroplex "clone". Non-iambic. Good condition. El-Key- Poucel Electronics. Lacks the smooth edges of Vibroplex but nice "feel".

\$20.00 + \$4.00 shipping.

4. Nye Iambic Paddle. Like new. This is the paddle for TFR, you could use it with gloves on. Rugged feel and built to last.

\$25.00 + \$4.00 shipping.

5. Bad eyes? Wattmeter semi-kit for HB. 4 1/2 inch 100uA meter(mirrored scale)new in box. Both boards from QST July 86, "The swr twins-QRP and QRO(QRP Classics- ARRL)". Other odds n' ends to fill most of the hard to find parts. Connectors 'n stuff. \$20.00 postpaid with lottsa extras.

Those of you who put in "special" requests previously, don't give up. Still digging.

BTW- my CB conversion info package is up for grabs. Bunch of re-prints direct from Wayne Grin of the AM/FM/CW/SSB conversions in 73 magazine. CB PLL data book. CB service and conversion book. Ingrams book on 10m FM. Lots of good stuff. Let me know which conversion you want to do and will dig in the junk-box for the correct crystal(or near). Won't break set.

\$20.00 incl postage.

72, John- N5INZ

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: john andrews <jm165723@eee.org>
Subject: [3910] FS: Heath & Paddles- SOLD
Message-ID: <32820F31.97A@eee.org>

The Heath tuner/wattmeter are sold. As well as both paddles. Didn't expect the response. whew!

The HB wattmeter kit and CB conversion info is still up for grabs however.

Still trimming down the shack and junk-box to manageable size. Been waiting for the Ukraine ham-mag project folks to contact me, but no response. I'll make an offer on individual copies shortly. Decided to offer a lot of "freebies" for the folks who bought stuff from me. I'll toss in stuff with each request.

72, John- N5INZ

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: FACMSA@facilities.buffalo.edu (Adams, Mark S.)
Subject: [3927] FS: Icom 706
Message-ID: <1996Nov07.143000.1483.29147@facilities.buffalo.edu>

Hi Gang,

I am posting this message for Dick, AA2WJ. Please do not respond to me. Thanks.

for sale by aa2wj

icom 706 with fl100 (500 hz cw fltr) and matching mic.
purchased new in may of 96. very little use. as new cndx.
original owner with all paper work and original box.

asking \$1050. shipped or will consider trade for exc cndx
argonaut II/mic and a few bucks.

contact Dick directly at (richard.kapalczynski@mci.com)

72, Mark N2VPK
Member of the Buffalo QRP Connection

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: buhyoff@vt.edu (Greg Buhyoff)
Subject: [3880] FS:Ten-Tec Model 291 Tuner
Message-ID: <v01540b01aea799789977@[128.173.78.57]>

Ten-Tec Model 291 Antenna Tuner -- Dead Perfect condition. No metering.
Perfect for portable operation or shack. Over 40 inductance positions.
Built like a tank. For coax feed or random wire. Shipped UPS for \$50.

Contact me at Buhyoff@vt.edu

or call 540-231-5148 (please leave message and your number if I am away
from the phone).

Thanks, Greg KN4FR

=====
Greg Buhyoff
Julian N. Cheatham Professor
Virginia Polytechnic Institute and State University
Blacksburg, Virginia 24061

Office Phone: 540-231-5148
Fax: 540-231-3698
E-mail: Buhyoff@vt.edu

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From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Roy Boggs <rboggs@pcc-uky.campus.mci.net>
Subject: [3921] GWBASIC/HamCalc problem restated
Message-ID: <2.2.32.19961107175310.0068add4@pcc-uky.campus.mci.net>

Guess I should have been more detailed in the other post. GWBasic will not execute on my system without giving the message 'Can not SHELL to Basic'; it used to work fine in months past so apparently I have changed something in my system to cause the glitch. I have tried booting up to the Dos prompt by turning off the BootGUI feature in MSDOS.SYS; REM'ed out all config.sys and autoexec.bat drivers; put in a new 'File Types' association for '.BAS'; examined the dosprmt.pif file; etc., all to no avail. I have never seen this type message before and not sure where to look next for the problem. I don't have any old DOS subdirectories and the path statement is fine with regard to \Windows\Command, and command.com. Getting to Dos is not the problem - getting GWBASIC to execute IS. If it won't run at the Dos prompt, it sure ain't gonna work in Win95.

Any ideas? Sorry for non-QRP subject, but without these monsters working correctly, we can't run HamCalc and other similar prgs.

72, Roy KE4KDT

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Mel Evans <101366.3072@CompuServe.COM>
Subject: [3930] HB Bare Essentials *****!!*****
Message-ID: <961107204800_101366.3072_JHP37-1@CompuServe.COM>

Hi gang,

Mike McShane posted to list he STRONGLY recommended using a Mains isolation transformer if building/testing a tube(valve) TX intended to be directly connected to mains, transformerless design.

BE VERY CAREFUL! If using a mains isolation transformer, make sure it is an isolation unit, auto-transformers DO NOT ISOLATE. Similarly, think before you try to use a "belt and suspenders" approach! An isolation transformer and a residual current device (RCD), or earth leakage circuit breaker (ELCB) may not mix 'n match sensibly, since these RCD's and ELCB's usually need a reference to ground to make them work in a fault condition. By using them with an isolation transformer, in some circumstances they may not have this ground reference, and they will not trip out!

Better to be safe than sorry, if in doubt ASK your local electrical power man or company for advice, we give it free here in Scotland.

72 and 73 de Mel
Edinburgh, Scotland UK
Home of the last HW9
(and now another one!)

Wearing my professional hat slightly as an employee of ScottishPower plc, the national power supply company, and an "authorised person" under the Electricity Acts with independent entry and work authorisation on systems and equipment up to 275kv, and the associated telecoms systems.

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: bhopkins@polarnet.com (Bruce Hopkins - KL7JAF)
Subject: [3952] Heathkit SB-104 - Need Mods Source
Message-ID: <v01540b01aea852e05278@[204.119.24.130]>

Hi Gang...

I passed on the SB-104 mods to a local ham a month or so ago and did not keep a copy with the address of the person that posted these mods... If you would be so kind to send me your e-mail address I will pass it on to the local ham so he can get in touch with you... He is in the process of rebuilding his SB-104A...

Take care and have fun...

72/73/oo's - Bruce * KL7JAF

EMPS QS0s=7 STATES(w/c)=1/0 DX=0
AK

Web Page: <http://www2.polarnet.com/~bhopkins>

Alaska QRP Club Web Page: <http://www2.polarnet.com/~bhopkins/akqrp.html>

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Roy Boggs <rboggs@pcc-uky.campus.mci.net>
Subject: [3887] Help: GWBASIC ham programs & Win95
Message-ID: <2.2.32.19961107144951.0069837c@pcc-uky.campus.mci.net>

Hi Folks,

Why on earth won't my Win95 shell to basic? I wanted to see all the stuff in HamCalc and I keep getting 'Can not SHELL to basic'. Guess I'll feel pretty stupid when someone tells me how, but at the moment I am baffled. I have tried MS-DOS mode and also tried changing the 'File types' area but no good.

Thank you,

de KE4KDT

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Joe Everhart <n2cx@voicenet.com>
Subject: [3945] Lightweight Antenna - 1 LB dipole
Message-ID: <199611080157.UAA08989@mail3.voicenet.com>

Gang,

With the recent discussions on lightweight, minimum encumbrance antennas for quick-up, quick down portable use, the dipole has not always been seriously considered. A dipole *can* be made very light and easy to erect without any of the bother and potentially compromised efficiency of tuners and ground radials.

Not only that, they can be very easily erected in the inverted vee configuration. Only a single high center support is needed. The ends can be tied off to available tie points that need be high enough ensure safety.

Using lightweight wire, mini-coax and minimalist insulators, a very effective 40 meter dipole weighs only one pound and fits easily inside a plastic zip-lock bag.

The September/October 1996 issue of the NEQRP organ '72' has an article by me on the "PVC Gusher-II" dipole antenna that fits the above description. It can be made for any any single HF band from 40 meters on up, or, with only a small amount of extra effort, either of several different multiband configurations.

The next issue of QRPP will also carry an article on the G-II.

The articles describe how you can make your own, or, if you don't want to sign up everything yourself (mini-coax is *not* carried by Radio Shack), I'm offering kits for only \$20.00 postpaid. The kit is completely assembled with a weather-sealed center insulator, a 30 foot RG-122/U feedline and a pre-installed BNC connector. All you have to do is cut the wire for your favorite band. A 13 page manual is included that has complete cutting tables and directions, along with ideas for other effective portable antennas.

Order now and the antennas will be made using the RG-122. When it runs out, I'll switch over to RG-174 and there will be a slight price increase.

For more info on the G-II antenna or the companion NEQRP Twenty-30 PVC mast kit, send an e-mail request to:

n2cx@voicenet.com

72/73,

Joe E., N2CX

72/73,

Joe E., N2CX

work: jeverhart@cayman.vf.mmc.com

home: n2cx@voicenet.com

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996

From: buhyoff@vt.edu (Greg Buhyoff)

Subject: [3882] Model 291 tuner ** SOLD**

Message-ID: <v01540b03aea79fe11b1c@[128.173.78.57]>

The model 291 tuner is sold.

=====

Greg Buhyoff

Julian N. Cheatham Professor

Virginia Polytechnic Institute and State University

Blacksburg, Virginia 24061

Office Phone: 540-231-5148
Fax: 540-231-3698
E-mail: Buhyoff@vt.edu

=====

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Howard Sherer <howardsh@ptdprolog.net>
Subject: [3883] mods wanted for older qrp+
Message-ID: <3281EE5A.1389@ptdprolog.net>

I just bought the older model index labs qrp+ It works great on cw but the ssb output is only 2 w. I saw the mod on yesterdays post to swamp out the alc and will give it a try. Are there any additional mods out there for this rig, and how do I look them up?

Howard AE3T

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: nskouzen@scientech.com (Niel Skousen)
Subject: [3939] N/T Fox - Thur.pm
Message-ID: <v02140b09aea81d983f5a@[198.60.91.132]>

My next turn (#3) in the frying pan.....

==== Novice/Tech+ Fox =====

WA7SSA Niel Skousen
Thur. 11.07.96 7:00-9:00pm MST (UTC-7)
Fri. 11.08.96 0200-0400 UTC
FREQ 7.112 +/- (alt: 7121 +/-)
RIG FT-757 @ 3.5w (may try NorCal 40 2nd hr... :-)
ANT Inv.V @ 28 ft, legs E-W
QTH Idaho Falls, ID
QRP-L #119

* Standard N/T code speed warning ...
* Patience is a virtue (especially for you 40wpm+ CW ops on N/T Fox nite..)

TNX es GL

73

Niel

```
-----
Niel Skousen; S.Eng, SCIENTECH.SPG          nskousen@scientech.com
208.525.3742, FAX 529.4721 Idaho Falls ID    WA7SSA QRP-L.119
-----DN33wm- . . . ----
```

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [3902] New Calls/Fox list
Message-ID: <199611071607.JAA19798@dancris.com>

I have updated the fox list on my page (<http://www.dancris.com/~ki7mn>) to show new calls where appropriate, and, due to the number of requests (can't do this all day), added a way to download the qrplst.zip file with the updates as of 11/5/96.

If you want the file, please download it from the page. I'll leave it up for a few more days.

73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-l 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [3911] NORTEX Correction & QRP HoF Letters
Message-ID: <1.5.4.16.19961107093722.2a7ff43e@telis.org>

Guys, I made a mistake in my posting about my nomination of Chuck Adams, K5FO for the ARCI QRP Hall of Fame. Chuck was credited with being the founder of the NorTex QRP Club. Two mistakes there, one the founder of the NORTEX QRP Club was Larry Jones, N5OSC of this list, not Chuck, although Chuck was one of the early members, but Larry had started the club and they had several meetings before Chuck came on board. And, the correct spelling of the club is NORTEX, not NorTex. Sorry about that. We have to get this correct for history. Someday, someone will write another history of QRP, and this will be in there, want to have it right. Sorry about the mistake.

And, guys, if you want someone in the Hall of Fame, you need to send a nomination letter to Mike C. at the following address:

wa8mcq@abs.net

Remember that you should be specific in your letter of nomination and give reasons why your nominee should be elected. Don't just say, I think Hiram Maxim should be in the hall of fame because he deserves it. Give the committee supporting evidence.

Send a letter of nomination in support even if you know that someone else has nominated the person you are supporting. The more letters, the better chance that the deserving have to be selected. We have a chance to make this Hall of Fame a first class operation by recognizing deserving people. As our political friends like to say, get involved and do something.

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Barry Keating <Barry.P.Keating.1@nd.edu>
Subject: [3879] Novice FOX Results (Wednesday) - short
Message-ID: <v03007800aea794cd17a6@[129.74.86.74]>

Well, I was skunked!

Not a single contact after CQing for two hours. Got a couple of very weak signals that I could not decipher, but nothing that I could truthfully call a QSO.

I'm not sure what happened. I checked the equipment. I had a QSO with Arizona just 1/2 hour before Fox time and had a short QSO with Pennsylvania just after Fox time (both stations were full power, non-QRP).

I'll do better on Monday!

Barry Keating
WD4MSM

ps Actually (and confidentially), Chuck gave me the job of making the other Novice/Tech foxes look good. I've complied with his wishes but next time around I think I should temper my attention to directions!

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: "Bob White" <Bob_White@CCMAIL.sms.lmco.com>

Subject: [3936] Novice/Tech+ Fox Sked - Updated
Message-ID: <9610078474.AA847416616@CCMAIL.sms.lmco.com>

Folks,

Here is the latest and greatest schedule for Novice/Tech+ Fox hunting.
Note the special event currently scheduled for January 22.

Novice/Tech+s are worth five points to everyone at least once.
Non-Novice and non-tech+ stations get to work only one
novice one time for the five points, none after that.
Novices get one point for each time they talk to you
though. Novices get five points for other Novice/Tech+s
and any number of times but only once per session.

The reason for the limits on non-N/T+ ops is to give
the N/T+ hunters a chance. Please standby and let them
go first. Then it's open season on the fox.

There is one prize for the Novice/Tech+ foxes and
one prize for the Novice/Tech+s who are hunters.
This sponsored by Chuck Adams or Doug Hendricks
depending upon the famous CA vs TX race on the regular
foxes of which the loser gets to buy two SST kits from
NorCal.

Novices will usually work the area 7.110MHz and up.
But they will post any changes or mods they want.

Thanks,

Novice - Tech+ List

KB0ROL Brad	Aurora, CO	kb0rol@juno.com
KB9JLO Dan	Decatur, IL	bcdlr@midwest.net
WA7SSA Niel	Idaho Falls, ID	nskousen@scientechnology.com
WD4MSM Barry	South Bend, IN	barry.p.keating.1@nd.edu
KB9LGJ Tim	Yuma, AZ	105020.2634@compuserve.com

November 7 WD4MSM Barry IN 0100-0300UTC

November 12 WD4MSM Barry IN 0100-0300UTC

November 13	KB9JLO	Dan	IL	0100-0300UTC	
November 14	KB0ROL	Brad	AZ	0230-0430UTC	
November 20	KB9JLO	Dan	IL	0100-0300UTC	
November 21	WA7SSA	Niel	UT	0200-0400UTC	
November 26	KB9LGJ	Tim	AZ	0030-0230UTC	
November 27	KB0ROL	Brad	CO	0230-0430UTC	
December 4	WD4MSM	Barry	IN	0100-0300UTC	
December 5	KB0ROL	Brad	CO	0200-0400UTC	
December 10	KB9LGJ	Tim	AZ	0000-0130UTC	
December 11	KB9JLO	Dan	IL	0100-0300UTC	
December 12	KB0ROL	Brad	CO	0200-0400UTC	
December 18	KB9JLO	Dan	IL	0100-0300UTC	
December 19	WA7SSA	Niel	UT	0200-0400UTC	
December 20	WD4MSM	Barry	IN	0100-0300UTC	
December 24	KB9LGJ	Tim	AZ	0000-0200UTC	
December 31	WA7SSA	Niel	UT	0200-0400UTC	
January 8	KB9LGJ	Tim	AZ	0200-0400UTC	
January 9	WD4MSM	Barry	IN	0100-0300UTC	
January 15	KB9JLO	Dan	IL	0100-0300UTC	
January 17	WD4MSM	Barry	IN	0100-0300UTC	
January 21	KB9JLO	Dan	IL	0100-0300UTC	
January 22	KB0ROL	Brad	HI	0200-0400UTC	See Note *
January 23	WA7SSA	Niel	UT	0200-0400UTC	
January 29	KB9LGJ	Tim	AZ	0100-0300UTC	
January 31	WA7SSA	Niel	UT	0200-0400UTC	
February 6	WD4MSM	Barry	IN	0100-0300UTC	
February 7	WA7SSA	Niel	UT	0200-0400UTC	
February 12	KB9JLO	Dan	IL	0100-0300UTC	
February 13	KB0ROL	Brad	CO	0230-0430UTC	
February 19	KB9JLO	Dan	IL	0100-0300UTC	
February 20	WD4MSM	Barry	IN	0100-0300UTC	
February 25	KB0ROL	Brad	CO	0230-0430UTC	
February 26	WA7SSA	Niel	UT	0200-0400UTC	

March	4	WD4MSM	Barry	IN	0100-0300UTC
March	11	KB0ROL	Bard	CO	0200-0400UTC
March	12	KB9JLO	Dan	IL	0100-0300UTC
March	13	WA7SSA	Niel	UT	0200-0400UTC
March	18	KB9LGJ	Tim	AZ	0000-0200UTC
March	18	KB0ROL	Brad	CO	0230-0430UTC

Note * The January 22 Fox, (Brad, KB0ROL) reports what he will be operating this slot from Hawaii at 2.3 watts. The January 22 date and times are tentative. Brad will post a firm date and times for the event after his arrival in Hawaii. The Hawaii sked will take place sometime between the 17th and the 25th of January as those are the days Brad will be there.

dit dit (by direction)

Bob White W03B

bobwhitewo3b@geocities.com

<http://www.geocities.com/SiliconValley/5582>

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
 From: FACMSA@facilities.buffalo.edu (Adams, Mark S.)
 Subject: [3877] One Logging Program?
 Message-ID: <1996Nov07.074700.1483.28966@facilities.buffalo.edu>

Hi Gang,

Now that my HB X-Beam for 20M and HB mast are up and operational I can decide on new logging software. But I am CONFUSED! (That was easier to admit than I thought.)

I would like ONE program for all general QSO logging AND contesting. I operate about 12 contests per year and none so far have been serious efforts. Can I get by with just one program? I do not need a keyer function or rig control. I do not really care if it is a Windows program or not. I would also like ease of label printing, which probably means a Windows program is best.

What I do not like is having to have separate files for each contest. I

have used Write Log but it makes you do this. So when you want to search

for QSL card sent/rec data months later it is hard to know which file to open. I tried Super Duper for the Islands test and it was good, but only a single focus program.

I need a program that can sort my DXCC results, WAS, WAC, etc. (all QRP!) regardless of whether it was a general QSO or a test contact.

I tried the following demos; Log-EQF, DX4WIN, SD and WriteLog. I got some email notes on M*Log and it appears to be the best for my use. Does anyone have any other suggestions?

Thanks and 72,

Mark N2VPK Member of the Buffalo QRP Connection

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996

From: BWHITTEM@mailgw.sanders.lockheed.com

Subject: [3881] pc cad stuff !!!

Message-ID: <281e9480@mailgw.sanders.lockheed.com>

try <http://www.microsim.com/download.html> to get a powerful though limited version of some schematic/pcb/simulation etc. either download or fill in form to have cd demo sent to you. requires win95 or nt just got my cd but have used earlier versions.

gl

barry

wb1edi

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996

From: Jeff Grudin <grudin@pacific.vdbs.com>

Subject: [3912] QRP by Accident

Message-ID: <32821786.394C@pacific.vdbs.com>

Well I finally got home early enough to try for the fox. Turned on the FT890 and cranked the RF power fully off. Listened for a while but heard nothing. Oh well, not too unusual.

Started tuning around the band and heard a very faint ZK1RAG calling CQ. I could barely hear him, but what the heck thought I'd fire off my call and see. I couldn't believe it when my call came back with a 599.

Started tuning around the band again and tried a few others with poor success. Then I realized that my RF power was still turned OFF.

Don't I wish I had my shack full of those "Life's too short for QRP'ers" guys last night.

--

73 de Jeff AC6KW
grudin@vdbbs.com

-----QRP-L

#16

Norcal QRP #1292

QRP'ers do it with less energy (but lot's of enthusiasm)!

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: QLF@mimi@magic.itg.ti.com
Subject: [3931] QRPing THE UNIDEN 2600??
Message-ID: <9611072058.AA23998@itg.ti.com>

From: Brad Bradfield QLF

Subj: QRPing THE UNIDEN 2600??

I'm looking for information on reducing the Uniden 2600 power output to QRP levels. It seems that there may have been an article in QST within the last couple of years, but can't locate it right now. Anybody tell me how to do this or where to find the information?

72's es 73's,

Brad, WB0CGH

Brad Bradfield, PE Electrical Design Engineer
(H) 817-321-2960 Texas Instruments, Inc.
(W) 214-462-6230

Real men talk with their fingers!

QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72
Collector of wireless and landline Morse keys and accessories.

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: rnygren@epix.net (Bob Nygren)
Subject: [3926] Reflections on CW Sweeps
Message-ID: <Chameleon.961107141231.rnygren@epix.net>

Hi Gang!

My goal this sweeps was 300 qso's. I came up a bit short. Final tally was 251 and 70 sections. Still, a considerable improvement over last year, so no complaints!

Strategy this year was to stick with the highest open band. So I spent a lot of time on 15 meters. Even the "B" stations I worked were not super strong, but the path was good enough for the contact.

40 meters was poor.

The bulk of my contacts were on 80 meters. The TAC-1 and big loop played well, as usual! I had many, "NICE SIG FOR Q", comments. I would look at the little TAC and smile.

I had hoped to receive a vanity call before the contest, but that didn't happen. In a way I'm glad. It was nice to "retire" WA3YON with a strong Sweepstakes effort.

Look for me further down your log as N3RN!

73, Bob N3RN
(ex-WA3YON)

<rnygren@epix.net>

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Russ1031@aol.com
Subject: [3923] Results for November's Spartan Sprint
Message-ID: <961107131355_1550399284@emout15.mail.aol.com>

The results for the November Spartan Sprints seem, once again, to illustrate that QRP can be a patchy endeavor. The right coasters cleaned up, with W3TS winning in the Q's per pound category (again!) and WA1YIA taking the honors in QSOs. Out here, in the land of banana slugs, it was challenging in the extreme. There ought to be a special RST report for "in the nature of the slightest whisper".

W3TS seems to be a two-faceted genius. He's got a station that would levitate in a light breeze and is also a fine operator. However, there are many of us who could begin to close the gap if we could skin down our

stations. THIS IS A HINT.

Thanks to all who participated and e-mailed me your logs. You are a remarkable bunch of operators!

Be sure to set your mail browser to a monospaced font, so that the following tables line up correctly.

Results sorted in the order of Q's per pound:

Call	Name	QSOs	Weight	Qs/Pound
W3TS	Mike	12	.7	17.14
AE4CA	Bob	13	1.2	10.83
AA7QU	Russ	13	2.7	4.81
KI6SN	Richard	8	1.8	4.44
WJ4P	Randy	4	1	4.00
N6XI	Rick	7	2.2	3.18
WB5QMP	Randy	5	1.8	2.78
WD6FDD	Rich	6	3.5	1.71
N0IBT	Dave	6	4.5	1.33
KS4L	Randy	9	11.6	0.78
WA1YIA	OJ	19	38	0.50
N9ZZ	Bob	1	9	0.11

Results sorted in the order of number of QSOs

Call	Name	QSOs	Weight	Qs/Pound
WA1YIA	OJ	19	38	0.50
AE4CA	Bob	13	1.2	10.83
AA7QU	Russ	13	2.7	4.81
W3TS	Mike	12	.7	17.14
KS4L	Randy	9	11.6	0.78
KI6SN	Richard	8	1.8	4.44
N6XI	Rick	7	2.2	3.18
WD6FDD	Rich	6	3.5	1.71
N0IBT	Dave	6	4.5	1.33
WB5QMP	Randy	5	1.8	2.78
WJ4P	Randy	4	1	4.00
N9ZZ	Bob	1	9	0.11

MARK THOSE CALENDARS FOR THE DECEMBER SPARTAN SPRINT, MONDAY, DECEMBER 2.

72, Russ Carpenter, AA7QU
ARS #1

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Vic Rosenthal <rakefet@rakefet.com>
Subject: [3905] Rotatable delta loop for 20
Message-ID: <328205FA.2368@rakefet.com>

Hi,

I want to build a rotatable delta loop for 20 meters. The problem is that this would be an inverted triangle whose sides would each be 23 feet or so - and I'm worried that it would be hard to make it strong enough mechanically.

wire joins top of two aluminum tubes



Does anyone have any ideas about how to make such an antenna smaller? For example, if the angle between the poles were greater, then more of the loop would be wire and the whole thing would be less massive. How large can the angle be before it stops working? Quad antennas can be made smaller easily by adding capacity across the diamond; could something like this be done with this configuration? Where would the capacitance be placed? How about a loading coil in the top wire?

Thanks in advance for your ideas!

Vic K2VCO

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: WBarnhart@gnn.com (Wayne Barnhart)
Subject: [3869] RS scope
Message-ID: <199611070738.CAA30774@mail-e2b.gnn.com>

Saw in a recent mailing something about a scope built into a probe that could also be interfaced with a computer - this from Radio Shack. It is supposed to have a 5mhz bandwidth. Is this a good thing? Know nothing about bandwidth and scopes.

Wayne WB7WHI
Spokane, Wa.

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Alan Kaul <kaul@netcom.com>
Subject: [3870] Slowing down CT CW rates for SS or anywhere!
Message-ID: <Pine.3.89.9611062332.A15806-0100000@netcom8>

I have been using CT since version 6 with the serial port interface for the keyer, and I usually try to keep the outgoing speed in the 24 wpm range. HOWEVER, for those occasions when the other guy asks for a slower speed, I usually load one of the memories (F6 or F7 for example) with my regular message WITH AN ADDED SPACE BETWEEN EACH LETTER. Thus 24 wpm becomes 12 wpm when s p r e a d o u t by spaces. Want to send at exactly 13wpm? Set ALT-V to 26 and use the spaces! 15? Try 30. The letters are sent at the higher speed, but are spaced at the slower setting!

Your regular contest exchange is normally loaded in F2. F1 has your CQ, F3 has another programmable message (mine is usually CFM TU) F4 has my call, F5 has his call, leaving F6 and F7. I rarely used my keyer in the ARRL CW SS test!

((PS--Mike and Doug, if either of you want to use this 'hint' in an upcoming QQ or QRPp, I unconditionally give my permission)).

73/72 de alan

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Russ1031@aol.com
Subject: [3922] Soapbox for November's Spartan Sprint (Long)
Message-ID: <961107131349_1249162548@emout13.mail.aol.com>

Here is the soapbox for Monday's Spartan Sprint. Thanks for your participation!

Subj: Sprint Report 11/5/96
Date: 11/05/96

Sorry, left off listing the earbuds headphones. They were included in the weight. No change to qso / pound.

Ha! Did I have fun!!! Caught the last thirty minutes of the sprint and bagged a few using the 40-9er!

Log: 0346 WA1YIA 579 TX 5W
0353 AA2WT 559 TX 5W
0354 KF2PH 559 LI/NY 5W
0358 WB9LKC 559 WI 2W

Rig: 40-9er, WhiteRook Paddle/CodeBoy Keyer, Nicad battery pack (12V), and ear bud headphones.

Weight: 15.5 Oz

Ratio: 3.8750z / Qso

Fun Factor: 9.5 (out of 10)

Power out: 700 mW to 1W

Antenna: Gap Titan Vertical

73 Randy WJ4P

Here's my SP report for November.

KI6SN, Riverside, CA

8 QSOs

1.8 lbs

Running 900 milliwatts to a droopy G5RV

We had very poor condx here in Southern California, but it was a very interesting evening. Due to commitments, I was able to work only the first 40 minutes and the last 20 minutes of the Sprint. Managed 8 QSOs with gear weighing in at 1.8 lbs and generating about 1 watt (actually slightly less). My congratulations to all who pulled me through the noise. Stations worked: AA7QU (OR); AB7OA (AZ); W6EMT (WA); KS4L (AL); N0IBT (CO); WB5QMP (ID); WD6FDD (CA); and WB0WQS (MO). I believe this is the first time I've ever worked a contest in which every station worked was in a different state. A bunch of great ops. Many thanks!

rich wilkerson, wd6fdd, weight of station-3.5 lbs. qso's 6.

I think the band did not like my house, antenna, or rig. 72's rich

Owen "OJ" Quarles WA1YIA
5Nov96
QSOs = 19 SPCs = 14
Weight = 38lbs

Yaesu 767 --- 40m loop
My exchange was RST TX 5W.
This was my first sprint. Very noisy conditions here tonight. Heard
several stations that were just below my S7 noise. Thank you for the fun!

Hi Russ,

This is the results of my operations during the Sprint.

QSO.....: 1
Rig.....: Heath HW
7.....4.5#
Antenna.....: Gap Vertical
Power.....: 1 W output
Band.....: 40 mtrs
Battery.....:
Quantum.....4.0#
Hand key.....:
Handkey.....0.5#

Total
weight.....9
.0#

Contacts :
Call RST SPC Pwr Out

W3TS 559 PA 1 W

Comments:

Well, seems like the old HW7 needs a bit of help on the receive, but the
band seems to have been just about dead. I could hear a few sigs and
they were very weak. Except of course for the guys running all kinds of
power, and they just wiped me out on the receive. Perhaps next month
will be a better one for me.

Bob Schill N9ZZ
Mountain Home, Arkansas
ARCI QRP # 4744, MI QRP #266, AR QRP #1, QRP-L #705, ARS #189
E-Mail address : N9ZZ@juno.com
Packet address: N9ZZ @ N0KFQ.#SWMO.MO.USA

HI Russ,

Finally got back into the Sprint. Here's my results:

WB0WQS	559	MO	5w
W2JEK	559	NJ	2w
W3TS 449	PA	1w	
WA1YIA	559	TX	5W
N6XI 569	CA	2W	
AA10C	449	NH	5W
N0IBT	559	CO	4W
KI6SN	339	CA	1W
AA7QU	449	OR	2W

Total 9 QSOs

I was running 5W from an OHR 400 with a total system weight of 11.6 lbs.

Qs/lb = .76

Not great, but better than last time!

Thanks for the QSO and from the Sprint!

72,
Randy, KS4L

Howdy, Russ.

Results: 5 QSOs from 1.8 lbs for 2.78 Q/P

I stayed at home this time. The 35 degrees, rain, and predicted snow had something to do with it. First hour wasn't too bad. Got 2 of the 3 Founding Fathers of ARS, AA7OU and KI6SN, and some other old favorites. Then nothing! Heard the XE1 station and gave him a call, but no dice. The station was 40A, G4ZPY paddles, and 8-AA batteries.

72,
Randy

WB5QMP ARCI QRP-L NORCAL NWQRP ARS
Moscow, ID

From: Dave, N0IBT

Nov. 4, 1996 Spartan Sprint
Dave Perry N0IBT
QSOs: 6 Weight: 4.5
40 meters 4 watts

Sure wish this started later! Got on for a few minutes and made 7 Q's in 7
SPCs running a Norcal 40 with KC1, Whiterook paddle, 1.2 AH gel cell ...
and
a Force 12 2el beam! The rig components don't weight much, but the tower
and
beam are heavy.

73,

/Rick N6XI

To: Russ1031@aol.com (Russ Carpenter, AA7QU)

* Your full name and callsign	Robert B Edwards,	AE4CA,	ARS #
145			
* Date of the sprint	Nov 4, 1996,	now->	W4ED
* Total number of completed QSOs	13		
* The weight of your station	1.2		
	/PQ ratio	10.83	

Weights, measured on a (Weight Watcher's) scale:

headphone	0.04	(single in-the-ear earpiece)
NN1G 40m	0.5	(per ARS chart, at one watt)
(8)AA	0.47	
Key	0.12	(single paddle type, homebrew)
Keyer	0.05	(3 CMOS 7400 series ICs, homebrew)
ATU	n/a	(40m vertical, similar to trail wire ant)

1.18 => 1.2 pounds

LOG:

Call	Time	RCVD.	ST.	PWR.	SENT
		RST			RST
AA7QU	209	339	OR	2W	339
AE4JA	213	599	GA	5W	599
WA1YIA	236	559	TX	5W	559
K5ZTY	244	449	TX	2W	549
AA10C	249	559	NH	5W	559
AC5AM	308	559	LA	1W	339
KJ5VW	321	559	TX	3W	439
W2JEK	345	559	NJ	2W	559
N2TNN	348	599	NJ	3W	559
KF2PH	351	459	NY	5W	579
N6GA	354	449	CA	2W	549
W3TS	355	449	PA	1W	559
AA2WJ	358	559	TX	5W	559

Was very pleased with the TFR 40/20 mtr wire vertical.
 Was not so pleased with the propo, about half the
 time I heard few/no signals. The 8s & 9s I called
 did not come back (they may not have been SP).

Working left coasters N6GA-CA and AA7QU-OR with
 one watt was a real trip for me, TKS.

N2TNN, 599, are you sure?

72, Russ Carpenter, AA7QU
 ARS#1

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
 From: "Lau, Zack, W1VT" <z1au@arrl.org>
 Subject: [3906] SS Comments
 Message-ID: <m0vLXEB-000f54C@mgate.arrl.org>

Is there a significant advantage to using a well known call?

I've used KH6IFY, KH6CP, KH6CP/3, KH6CP/1, and W1AW
 in Sweepstakes. The one that got the biggest pileup was

KH6IFY running 100 watts to a tribander at 50 ft. (less than 500 Qs from Hawaii that year may have helped a bit) OTOH, I've gotten comments about how W1AW had a real good signal--but they couldn't figure out why I wasn't getting much of a run... Is there a better known call than W1AW? Why aren't the scores more competitive?

This has also been my experience in the ARCI contests.

With my wire antennas on 80/40/20, my best hourly rates were 33, 32, 31, and 28. I think 100 Qs in 5 hours is pretty attainable, as long as propagation is good enough for you to be heard... But when people start to comment on how weak you are, well... I didn't hear anyone who was sending too fast to copy by hand, yet the only time I bother with high speed CW is in SS.

Zack W1VT zlau@arrl.org

BTW Any Southern VT FD groups interested in using a nice call next year?

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Scott Bauer <ke3nv@erols.com>
Subject: [3942] SX-25 manuals
Message-ID: <199611080027.TAA18618@smtp2.erols.com>

To all the folks that I have promised a SX-25 manual, or photocopy.

They are finally in the mail. Im very sorry for the delay.

If for some reason someone does not recieve thiers, I have one copy here.

attn: Bob Okas, I need your mailing address,

72/73 Scott now W3CV

.....
Fists 1502, ARCI 8804, G-QRP 8773, Nor-Cal 1094, NE 348, CQC 352

Scott Bauer ke3nv@erols.com

.....

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: PORNCHAI SEMJANG <a37s0112@orchid.bu.ac.th>
Subject: [3871] Thank for QSL Card
Message-ID: <Pine.SOL.3.95.961107155646.17887A-100000@orchid.bu.ac.th>

Hi ALL

Today I recieve the QSL card from Jack Bock , K7ZR.
He lives in Clinton, WA.His station running with IC-745
and quart 2 elements.He give me RST 329 from WA..GREAT!
Very great distance I ever work from Bangkok ,Thailand.
I worked him with my MFJ-9020 (5 watts) and put to my
Inverted-V antenna at 25 meters hight.Very thank to you Jack
if you join this mail-list.hope to hear you again.

See you all, 72 & 73
HS2JFW/qrp
a37s0112@orchid.bu.ac.th or hs2jfw@amsat.org

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: "Phil, AC6LS" <ac6ls@amsat.org>
Subject: [3872] Thanks
Message-ID: <3281A86A.552A@amsat.org>

Just a quick note to thank you all for all the help and guidance
you have provided. The wealth of info avalible here just boggles the
mind!

72.73 de Phil

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>

Subject: [3873] Too much F-B?

Message-ID: <Pine.SOL.3.94.961107065023.23324A-100000@utkux4.utcc.utk.edu>

Received a good note from Keith, KB2VU0, who reported on some of the antenna planning BARC is doing for next Field Day. Yes, this is the season to plan, since it allways plenty of time to accumulate parts and build and test.

I asked Keith to report on BARC's decision process, since it carefully addressed questions such as "What is the best antenna both in mechanical and pattern terms for the areas we want to contact in the test?"

One consideration was the possibility of choosing an antenna with too much front-to-back ratio. That's right, TOO MUCH F-B ratio.

Now, if you live on a coast and want to work an all-USA test, then all the F-B ratio you can get is advisable on any band. Big Yagis/quads, Vee beams, ZL/Field Day Specials, Moxons, and the like feature high rear nulls, and some of those designs might fit your need on any band.

But if you want to hear what is happening behind you, without it interfering with current communications in front of you, choose an antenna with a lower F-B ratio. X-beams, and 2-element Yagis work well in this regard, with 10-12 dB F-B (about 2 S-units). You can hear and then possibly even work without turning the beam. For net control stations, these lower F-B designs may be more useful than those Long Johns. On one net I attend, I end up being asked by the NCS with a 3-element beam if I hear anyone he doesnot, since my little 2-element job hears better off the rear.

Principle: assuming you have a choice (and often we do not), select your antenna design after careful analysis of the communicating you want to do--and the communicating you do not want to do. Then ask a series of questions: What can I afford (\$)? What can I erect? What can I maintain? What is permissible, both legally and socially, where I plan to put the antenna? What is safe at this location? Each answer contributes to the final decision, and no two decisions are likely to be identical. But each decision is instructive for the next person--if you take the time to explain not only what antenna you suggest, but also why.

My thanks to Keith for filling me in on the BARC deliberations. I hope he passes them on to everyone as an example of good planning.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: QLF%mimi@magic.itg.ti.com
Subject: [3889] VANITY CALLSIGNS es THE ZJL EFFECTIVENESS SCALE
Message-ID: <9611071506.AA10899@itg.ti.com>

From: Brad Bradfield QLF

Subj: VANITY CALLSIGNS es THE ZJL EFFECTIVENESS SCALE

Yesterday, Paul, W8KC (ex WB8ZJL) wrote:

> The ZJL scale. Many of you know that for years, the ZJL Effectiveness
> Scale was the de-facto standard for judging the performance of a callsign
> based upon scientific and subjective analysis. W8KC rates around 8.7 on
> that chart. WB8ZJL was a 1.8 and with the advent of Vanity calls,
> actually dropped to a 1.3. Don't ask for the formula, it's
> uncomprehendable :-)

> I don't believe I can justify running the ZJL system because my
> call is no longer so miserable that others will not be offended when they
> find out their own call is a low number.

Since Paul is abandoning the ZJL scale, I would suggest a new scale, hereafter known as the Bradfield Scale (nothing vane about me!) To use this scale, take the longest possible 2X3 callsign, WJ0JJJ, which takes 102 bits to send. Don't forget character spacing and the word space at the end. Then take the length of the callsign in question, WB0CGH in my case, and normalize it to the longest call by dividing by 102.

WB0CGH = 86 bits $86/102 = 0.843$

The shortest possible call, N5EE = 28 bits. $26/102 = 0.275$

Paul's old and new calls are:

WB8ZJL = 84 $84/102 = 0.824$
W8KC = 56 $56/102 = 0.549$ for a net improvement of 33%

Our buddy K5F0 = 54 $54/102 = 0.529$

Oh, well. Enough fun and frivolity for one day. Congratulations to all the new call holders. Use them in good health.

72's es 73's,

Brad, WB0CGH

Brad Bradfield, PE

Electrical Design Engineer

(H) 817-321-2960

Texas Instruments, Inc.

(W) 214-462-6230

Real men talk with their fingers!

QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72

Collector of wireless and landline Morse keys and accessories.

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996

From: wb2vuo@juno.com (William K Hibbert)

Subject: [3950] Why a "Vanity" Call?

Message-ID: <19961107.193712.4807.0.wb2vuo@juno.com>

There's a lot of different reasons to participate in the so-caalled
"Vanity Call" program, but here's mine:

I participated in the Gate 1 "Vanity Call" program. Rather than a "vain"
move, I view it as delayed corrective action.

When I moved from the barracks on the Sub Base in Groton, CT, I was
required to get a new call (under the then-exsisting rules) due to the
change of address. I got WB1DNM, and never really liked it. The call
was
always getting switched around, and DMN was the way that the suffix came
back most of the time.

When I upgraded to Advanced, I changed to KA1YE as 'DNM never did
anything
for me. The typical CW contact usually started out by correcting my call
because the stations usually came back to KA1YEK after miising the space
between the E and the K.

When I moved back to 2-land, I couldn't get my first call back due to the
rule changes, so I got KE2DI.

Basically, the Vanity Call program allowed me to correct a 20+ year-old
oversight. I would NEVER have listed my change of address, and would
have kept WB2VUO listed at my "Home of Record", a military fiction that
worked on the premise that where you enlisted was home forever (not
really far from the truth, I must say...)

It's WB2VU0 now, and will stay that way. It is longer, harder to get thru during contest, but I don't care. The call is ME, and should have stayed with me throughout my Amateur "career".

72/73, Keith, WB2VU0, QRP-L #582
Trustee, KB2YTW/B 10 Mtr Milliwatting Beacon (250 mW @ 28.2870 MHz)
"In the Depths of the Great Bergen Swamp...FN13ac"

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [3946] X-Beam vs Moxon for Field Day
Message-ID: <19961107.174947.4727.3.wb2vuo@juno.com>

I sent this to L.B., W4RNL concerning the msall antenna designs that he had reviewed in "Communication Quarterly" back in 1995. I am the incoming Field Day ChairCritic for the 1997 BARK Field Day, and the weak point(s) in years past have been the antlers on the higher band(s). Originally, the Moxon Rectangle looked good, until I took a look at the North American map, and realized that I would miss part of the US and Canada with the high F/B ratio of the Moxon. This is what prompted the post to L.B. Read on, and comments (direct Email) are welcomed...

Keith, WB2VU0, QRP-L #582

----- Begin forwarded message -----
From: wb2vuo
Subject: X-Beam vs Moxon for Field Day
From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Jerry Schnor <jerrylee@fusion.stockton.net>
Subject: [3867] Re: CW SS Notes
Message-ID: <3281E95F.350@fusion.stockton.net>

Monte Stark wrote:

>
> On Mon, 4 Nov 1996, Roger Hightower wrote:
>
> > Get a contest program like CT, NA or TR and jump in. Maybe you
> > can figure out what a lot of the testers don't: you _can_ change the CW
> > speed to something other than light.
>
> One of the reasons I bought TR Log instead of CT is that TR will slow
> down as far as you want to go. CT stops at something like 15wpm. (Could
> be off as this is what I have been told and might not remember right!).

> Don't know about NA.
>
> Page Down slows TR by 6% per "hit". Easy to come close to matching
> the speed of those calling. All you have to do is "just do it"! :-)
>
> cul,
>
> 73, Ron,
>
>KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>ku7y@sage.dri.edu.....Washoe Lake, Nevada....
>QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Patrick Taber <ptaber@logiccraft.com>
Subject: [3916] Re: Did my HW-9 Grow??
Message-ID: <1.5.4.32.19961107170417.009b1760@freebird>

At 09:24 AM 11/7/96 -0700, you wrote:
>I took my HW-9 out of the closet last night for the first time in a couple
>of years and couldn't believe how BIG it was!

It's a physical principal. You probably left it in there with a couple of old suits. It's well known that suits left in a dark closet shrink. I have several that have done this. I even have my old Army uniform which in the course of 25 years has become incredibly small.

Of course, nature maintains a balance and I have found that old electronic equipment will often take up whatever it is that the suits are giving off. For example, I had (I'm not making this up) a PDP-8 in the back of the same closet my old Army uniforms were in. It took two strong movers to get it out of there. It was in a six foot high, 19 inch rack and the thing only had 4K of memory! I could have put fifty 64Meg Pentium systems in the space it took up.

So, yes, it grew.

>>>==>PStJTT (KC1TD)

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: jdenison@aisp.net (JOEL DENISON)
Subject: [3868] RE:Fox
Message-ID: <19961107064809658.AAA154@slip20.ts-f-merrill.caps.maine.edu>

I understand the rumor or a fox on 40 meters is still around. I say rumor, as to think anything different would be an act of faith. I can deal with something tangeable: something I can see, feel, or hear and I can do none of that with this so called fox.

Perhaps Mama was right: this would work out best over the phone! But I can't see calling someone on the phone just to use my code practice oscillator to send CW over the telephone...

Foxes be rare critters here in maine.

My deepest suspicion to those that claim to have worked "the fox." :-) :-)

This program has no spell checker so you may have to assume what I meant to write with some of the words here!

Bye now

God Bless

Joel

WA5CVM	Qrp ARCI #4066	NE-QRP #476	QRP-L #765
Joel Denison			
81 High street	33ft Vertical up 6ft	&	Inverted Vee up 40ft.
Farmington, Maine 04938			
jdenison@aisp.net	QRP PLUS	5w	SSB & CW

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [3884] RE: Fox
Message-ID: <199611071417.HAA17184@dancris.com>

Well, no fox of any kind last night. QSB at my qth was fierce...sometimes all I would hear was a long string of CQ, followed by fading noise and silence. As it came back up, it was nothing but CQ again..

Completed the update of the qrp list with new calls during listening time, and the xyl thought I had the dt's...would spin around from the computer and grab the paddles, trying to catch a fox. No luck, spin back to the computer again. Need to do some furniture moving so the big computer is closer to the qrp rigs :^).

73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-l 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Bobby Raymer <braymer@InfoAve.Net>

Subject: [3874] Re: FOX Novice/Tech+ Results
Message-ID: <01IBK0UJWJSG8Z4ED6@InfoAve.Net>

How the hell can i get this damm news group too STOP sending me stuff
i have tryed several time too get off the list but its keep sending.

from Bobby at braymer@infoave.net

> From: Jim Bennett <jbennett@ebmud.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Re: FOX Novice/Tech+ Results
> Date: Wednesday, November 06, 1996 9:31 AM
>
> Yes Brad, that first contact was me - N6PDX. And you are right, the BC
> QRM was horrendous. I was able to copy you pretty well through it, but
> my brain was still fried after:(1) the SS contest this weekend, and (2)
> going to the Raiders-Broncos game on Monday Night Football. Yeah, yeah,
> yeah, we wont talk about the results of the game....
>
> Anyway, thanks for the QSO, you are my first fox attempt, and it was at
> least partially successful.
>
> 72/73, Jim.
>
> Jim Bennett ex-N6PDX, now W6JHB (jbennett@ebmud.com)
>
> Supervising Systems Programmer
> East Bay Municipal Utility District
> 375 11th St.
> Oakland, CA 94607
>
> voice: 510.287.0224 fax: 510.287.0373

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [3875] Re: FOX Results
Message-ID: <199611071216.MAA13363@chuck.dallas.sgi.com>

Randy,

OK, the check goes to charity.

I turned on the NC40a and I didn't hear a peep.
No wonder Jack, W5TFB, beat me to a pulp on SS. :-)

I musta made the boys in CA real mad this time.

Good job. I'll post results later today or in a while.

dit dit

SIG

Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50

EMPS QS0s=109 STATES(w/c)=34/2 DX=0

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996

From: Tim Pettibone <tpettibo@nmsu.edu>

Subject: [3901] Re: FOX Results

Message-ID: <199611071608.JAA18512@NMSU.Edu>

Geez Randy, with your mom living in Las Cruces, I thought you'd be able to pull me out. I didn't hear a peep until 0330 or so. Heard you working several but you were in and out of the noise. Finally called you twice when I thought we could make it. You were 229 at best. But, no, you were running C0 for crying out loud!

At any rate, did get to hone my 'listening down into the noise' skills. Thanks for being there. Good job. By the way the South African station down on the low end was louder than you were!

Tim AB50U

Las Cruces, NM

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996

From: "Mike Rhodes" <weightdn@bright.net>

Subject: [3944] Re: FOX Results

Message-ID: <199611080145.UAA18905@brutus.bright.net>

Well, as frustrating as it was, I am obviously not alone in my fruitless quest for the previous two foxes (foxi??). Looking at their logs, I see that KA5VDS, Jim, in NJ worked practically nothing closer than FL (which, BTW, leaves Ohio out) and Randy worked nothing east of TX/MN. Suppose the band went long before the 0200 starting time for Jim because I could hear the left coast hunters but I couldn't hear anyone at all last night! That front that was moving in on us from the SW must have been soaking up everything trying to cross the Mississippi from either direction! Oh well, there's always next week.

72/73 de Mike / W8DN
weightdn@bright.net

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: wmcshan@REX.RE.uokhsc.edu (Mike McShane)
Subject: [3933] Re: HB Bare Essentials *****!!*****
Message-ID: <v01540b01aea7ffa8299a@[157.142.56.166]>

>Hi gang,
>
>Mike McShane >(sic) > posted to list he STRONGLY recommended using a Mains
>isolation
>transformer if building/testing a tube(valve) TX intended to be directly
>connected to mains, transformerless design.
>
>BE VERY CAREFUL! If using a mains isolation transformer, make sure it is an
>(snip)
>
>72 and 73 de Mel
>Edinburgh, Scotland UK
>Home of the last HW9
>(and now another one!)
>

Very good advice and clarification, Mel. I was specifically recommending a true isolation transformer, which for my house wiring (and most of the US, I suspect) is acceptable. The bottom line: when in doubt, ask. We all want to make QCWA.

Mike N5JKY

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Dale LeDoux <dledoux@laci.net>
Subject: [3947] Re: HB Bare Essentials *****!!*****
Message-ID: <1.5.4.16.19961107201955.20df503e@laci.net>

At 15:14 11/7/96 -0600, you wrote:

>>Hi gang,
>>
>>Mike McShane >(sic) > posted to list he STRONGLY recommended using a Mains

>>isolation
>>transformer if building/testing a tube(valve) TX intended to be directly
>>connected to mains, transformerless design.
>>
>>BE VERY CAREFUL! If using a mains isolation transformer, make sure it is an
>(snip)
>>
>>72 and 73 de Mel
>>Edinburgh, Scotland UK
>>Home of the last HW9
>>(and now another one!)
>>
>
>Very good advice and clarification, Mel. I was specifically recommending a
>>true isolation transformer, which for my house wiring (and most of the US,
>I suspect) is acceptable. The bottom line: when in doubt, ask. We all
>want to make QCWA.
>
>Mike N5JKY
>

Many of the 220-110 volt stepdown transformers I used in Europe were autotransformers and should not be confused with isolation transformers. If you have doubts about your transformer, use the resistance scale of your multimeter and place one probe on an input terminal and the other probe on the output terminal. An autotransformer will show a low resistance (continuity) between the two terminals. An isolation transformer will not. Further, if you're 'making do' with a scavenged transformer, make sure that no continuity exists between the output winding and ground.

Mel is absolutely correct in that a GFCI (ground fault circuit interrupter) used with an isolation transformer will not detect a grounded output winding, but then, anybody who lets his guard down because of the efficacy of a "protective" device is asking for problems.

We get spoiled dealing with the low voltages used in modern solid-state gear. Remember, electricity can kill. Makes it hard to enjoy the hobby following your own demise...

Dale LeDoux
Bath Electrical Systems
Power Specialists -- 480 V to 230 KV
KD5QI -- QRP-L #602

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996

From: rob3ert@juno.com (Robert G. Parks)
Subject: [3954] Re: HB: Bare Essentials
Message-ID: <19961107.192358.7518.0.rob3ert@juno.com>

Gang,

Just noticed that All Electronics (1-800-826-5432) has a 50va 115v isolation transformer for \$8.00. Their catalog #ITX-68.

Usual disclaimers.

72/73

Bob Parks
K6AEC
QRP-L#630
NorCal#1771

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: kd1jv@juno.com (Steven Weber)
Subject: [3935] RE: HB[3] SA/SA kits
Message-ID: <19961107.171042.7231.3.KD1JV@juno.com>

(Spectrum Analyzer Scope Adaptor)

Well, we crossed the 20 mark today and now up to 21. Gonna call it quits at this number. Any more and it will strain my ability to pay for the parts as they come in. Not everyone is willing to give me net 30! (actually damn few.. COD is the name of the game)

I started to order parts today, the board artwork goes out tomorrow, this show is on the road and the fun really starts !

Once everyone gets their kits and makes comments about it, we'll see if that spurs more interest and a need to do another run. (or a need to change my call and move to another country...just kidding, I know you will all be happy campers)

Once again many thanks to all. The success of this project might inspire others to turn their neat HB projects into a group kit. What a concept, what a neat corner of cyberspace...

72,

de KD1JV, Steve

Engineers are always honest in matters of technology and human relationships, which is why it's a good idea to keep engineers away from customers, romantic interests, and other people who can't handle the truth.

Engineers do sometimes bend the truth:
Complete list of engineer lies:

"I won't change anything without asking you first"
"I'll return your hard-to-find cable tomorrow"
"I have to have new equipment to do my job"
"I'm not jealous of your new computer"

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Kevin Muenzler <muenzlerk@uthscsa.edu>
Subject: [3893] RE: Help: GWBASIC ham programs & Win95
Message-ID: <01BBCC8D.4BCCF940@muenzlerk.uthscsa.edu>

On Thursday, November 07, 1996 8:49 AM, Roy Boggs[SMTP:rboggs@pcc-uky.campus.mci.net] wrote:

>Hi Folks,
>
>Why on earth won't my Win95 shell to basic? I wanted to see all the stuff in
>HamCalc and I keep getting 'Can not SHELL to basic'. Guess I'll feel pretty
>stupid when someone tells me how, but at the moment I am baffled. I have
>tried MS-DOS mode and also tried changing the 'File types' area but no good.
>
>Thank you,
>
>de KE4KDT
>

The main problem is that Windows 95 DOS doesn't support many of the calls required for GWBASIC. My suggestion is to find a BASIC compiler and compile your program to an executable. Have you tried running it under Visual BASIC? Many programs will run under Visual BASIC with few modifications.

Kevin, WB5RUE

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [3897] RE: Help: GWBASIC ham programs & Win95
Message-ID: <Pine.SUN.3.90.961107074216.13690A-100000@vortex.sage.dri.edu>

On Thu, 7 Nov 1996, Kevin Muenzler wrote:

> Many programs will run under
> Visual BASIC with few modifications.

Hi Kevin,

I have done this here at work with some of the utilities I
have written in basic and Quick basic over the years.

So far the most time consuming thing has been getting all
the variables declared!

But all formulas have worked without change! Whew..... :-)

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Dan Hogan <dhhogan@lightside.com>
Subject: [3920] Re: Help: GWBASIC ham programs & Win95
Message-ID: <199611071756.JAA17310@covina.lightside.com>

Roy:

I don't know about Win 95, but I had a similar problem with WFWG 3.11.
Hamcalc needs to be loaded into your root directory with the it's
sub-directories as noted in the info file. Unzip it from dos with the -d so
that it builds the directories. Hamcalc has/uses GWBASIC in one of its
directories.

72/73

Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806, ARRL
dhhogan@lightside.com Lat. 34d 03.5'N Lon. 117d 56.0'W
Grid: OM84wc

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Mike Cloud <cloudm@mhsgate.meth-mem.org>
Subject: [3899] RE: mods wanted for older qrp+
Message-ID: <4AB1813201172C16@mhsgate.meth-mem.org>

>
> From: Howard Sherer <howardsh@ptdprolog.net>
>
>I just bought the older model index labs qrp+ It works great on cw but
>the ssb output is only 2 w. I saw the mod on yesterdays post to swamp
>out the alc and will give it a try. Are there any additional mods out
>there for this rig, and how do I look them up?
>
>Howard AE3T
>
Hmmm? My qrp+ is SN #136 and while I rarely (never) use it SSB, when
I initially got it I built up a mic from one of the little MFJ ht mics and put
it on the air ssb. Using the gain adjustment in the back, I discovered
that phone operation output was pretty variable depending on band,
with a fairly steady output decline as the frequency increased. The big,
but accurate, SWAN watt meter showed that the output ranged from
about 12 watts on 80 meters to 7 watts on 10 meters (didn't try 160).
The output could always be adjusted to 5 watts. All of this was into
a dummy load to avoid antenna reactance. BTW, my qrp+ has not
been mod'ded in any way and I plan to keep it that way, hi hi.
cul de Mike, KR4IT

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Ken Lopez <kjlopez@earthlink.net>
Subject: [3909] Re: mods wanted for older qrp+
Message-ID: <32820E19.7EC6@earthlink.net>

My original QRP+, among other problems, had low output and high
distortion on SSB. However, this may have been due to poor alignment
and adjustment of the ALC.

I know of some who did not have this problem, and others who could not
adjust the ALC satisfactorily(me), necessitating a mod. Perhaps we
are dealing with production changes during the year or so of original
production.

I would suggest that you call Bruce at Index Labs. He has always been
straightforward and helpful with me. Also, the "update" is worth the

\$. The new QRP++ rig is superb.

Ken, N6TZV

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: lve1@inel.gov (Larry V East)
Subject: [3903] RE: More SSB-power for 'old' QRP+
Message-ID: <2.2.16.19961107160823.2077ce6c@eloi>

>Is this mod new for the group? Anyway good luck and best 72.

>

>Markus, HB9JNH

>G-QRP 5120

>

I saw this mentioned by one other person in a private email to me, but I don't think it is generally known. I was going to post it after trying it -- which I haven't done yet.

I took another route to altering the ALC, and found that I could increase the SSB power on the lower bands OK but the output audio was badly distorted on the higher bands (15M and above). So, that is something that you should check.

72, Larry W1HUE/7

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [3896] Re: Non-inductive resistor source
Message-ID: <199611071535.JAA30278@multi2.pic.net>

Mike --

Best solution I've found so far is the Panasonic Metal OXIDE Film resistors available from Digikey. They're available in 1, 2 and 3 watt sizes. Watch the voltage rating of any small resistor used in RF service.

Mike K1MG

> Where can I find a source for non-inductive resistors? I'm looking at
> building a simple watt meter, and it calls for non-inductives. I recall
a

> posting here earlier this summer stating that the 100 ohm 1 watt RS metal
> films were essentially non-inductive, and am wondering if this would
apply
> to most other metal film resistors as well. I need 100 ohm, 2 watters.
I
> have local source of cheap 1 and 2 watt metal films, but he says he'd
have
> to look around to order some non-inductives, and I'm scared to ask him
the
> price. I've looked in the Mouser catalog, as well as several others I
have,
> but no mention of non-inductives.
>
> Any ideas?
> 73,
> mike KD0FX
> Richland WA
>

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: n1pwu@juno.com (Robert K Berlyn)
Subject: [3932] Re: Non-inductive resistor source
Message-ID: <19961107.145925.18030.0.N1PWU@juno.com>

Good afternoon,

Regarding Mike's, KD0FX search for carbom Composition resistors. Look at
My online catalog at the Web Adress below. I have them.

Thanks

Bob Berlyn

N1PWU

QRP-L # 161

NE-QRP # 226

[HTTP://www.businesson.com/HAMPARTS](http://www.businesson.com/HAMPARTS)

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: JCoote@aol.com
Subject: [3949] Re: Non-inductive resistor source
Message-ID: <961107221255_1948534526@emout16.mail.aol.com>

In a message dated 96-11-07 12:54:43 EST, mgipe@reliablemeters.com (Michael
A. Gipe) writes:

<< Mike --

Best solution I've found so far is the Panasonic Metal OXIDE Film resistors available from Digikey. They're available in 1, 2 and 3 watt sizes. Watch the voltage rating of any small resistor used in RF service.

Mike K1MG
>>

To add to this thread, I've heard about non-inductive wirewound resistors. Evidently, the wire winding is in the form of two coils or helixes on the ceramic core. One core is L/H the other is R/H or clockwise/counterclockwise, etc. Didn't believe this until I pulled apart the "Termination" and "Matching Transformer" and a B&W AC 1.8-30 antenna... and there were 800 ohms or so worth of 50 or 100 watt ceramic resistors in there.

73, Jay
W6CJ

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Patrick Taber <ptaber@logiccraft.com>
Subject: [3885] Re: Novice FOX Results (Wednesday) - short
Message-ID: <1.5.4.32.19961107142153.0097b840@freebird>

At 08:37 AM 11/7/96 -0500, you wrote:

>Not a single contact after CQing for two hours. Got a couple of very weak
>signals that I could not decipher, but nothing that I could truthfully call
>a QSO.

But you worked me, Barry, remember? (Nudge, nudge. Wink, wink. Say no more.)

OK, OK, so I let the fox out of the bag. Soooooorry. People have been pushing for details on how the Fox Hunt got started, so I might as well tell....

Out in the middle of the desert, there's a small roadhouse called "Area 51." It never has any cars around it, and, in fact, it's not really a roadhouse since there isn't a road within miles of the place. But it's always packed to the rafters with people. The deal here, and I know you're not going to believe me, but it's OK because you're not supposed to, is that we all teleport/transport/matter transfer whatever-you-want-to-call-it from our homes to the club. It was all part of a deal the CIA made where we swapped Elvis (not that bloated impersonator who twinkied himself to death, but the *real* Elvis) to a recording consortium of space aliens in return for the teleporter technology, a video camera that could take pictures of the past and the secret of making coffee that has a Hazelnut flavor. The latter was

the only thing approved for release to the general public.

Anyway, a few of us are hams and we tend to sit together in a booth over by the window. K5... well, it wouldn't be fair to use people's calls, so I'll just call him Chuck was annoying the waitresses again with the old gag of pointing out the window and saying "Look! It's the Goodrich blimp!" Jay was annoying Tim by pointing to Tim's shirt and saying "What's that on your shirt?" then flipping the tip of Tim's nose when he looked down. Tim was falling for it repeatedly because he was depressed that he had spent the whole week trying to bait the SETI people by modulating the Morse code for "PENNSYLVANIA 6-5000" onto their gear and neither they nor their artificial intelligence system had noticed (but they HAD sounded the alert each time the gardener started his gas-powered weed whacker.) I was just sitting down after cruising the room unscrewing the tops of all the salt shakers, and Chuck was saying "They're ALL gonna pay for this!"

He was livid because he finally found out (it had been his turn to use the video-from-the-past camera) he had never worked all states. It seems that the ops in Northern California would spread the word whenever he was spotted on the air and then they'd all start sending KL7 calls. "I was sure KL7QLF was a good one," he was saying, "but what burns me is that it turns out ALL of Alaska is in on it! I found out they *never* work a station from Texas - they always let the California guys have them. They have this weird 'We're the biggest state' attitude.'

"Well," he said, "they're all gonna pay this time, gents." And that's when he came up with the Fox Hunt.

It's a fairly elaborate gag, but what we decided to do was run a real Fox Hunt last year to establish credibility and then sucker California into a competition and switch in our own "Foxes" this year. The Novice Fox thing was unplanned for, but it was easily neutralized by with the "you can only work 'em once for credit" rule. Now, after an evening of entertainment (notice that all the stations who are in on it manage to "contact" the Fox before Baywatch comes on) we send out the list of who contacted and who didn't. The California guys are surprised to see their calls listed, but they're not going to say they *didn't* work the Fox, we lead them along letting them think they can win. At the end of the year we'll announce that Texas took it by some small number of contacts and THEN they have to buy dinner at the restaurant of Chuck's choice. Well, they don't know it, but Chuck's favorite restaurant has live entertainment - Elvis! And when he leaves them in the parking lot with a jaunty "Y'all know how to find your way back, don't y'all?" It's payoff time.

Wait'll you see what he's got planned for the Alaskans. It's true. I got it all on video tape last night.

>>>==>PStJTT

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: wmcshan@REX.RE.uokhsc.edu (Mike McShan)
Subject: [3890] Re: Novice FOX Results (Wednesday) - short
Message-ID: <v01540b00aea7ac007f0a@[157.142.56.166]>

>Well, I was skunked!

>

>Not a single contact after CQing for two hours. Got a couple of very weak
>signals that I could not decipher, but nothing that I could truthfully call
>a QS0.

>

(snip)

>

> Barry Keating

> WD4MSM

>

Well, I heard you...twice in a 10 minute period. I was using headphones,
rig's 500 Hz filter, DSP, periodic dosing up with coffee and Altoids...I
had the volume turned all the way up; I'm sure it was great for the ears.
Tried calling you after finished your CQ, but, alas, to no avail. You
faded into the noise both times. But I heard you and tried to snag you,
you sneaky fox. I hope the propagation gods smile on us both next time.

72/73,

Mike N5JKY

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>
Subject: [3895] RE: Novice FOX Results (Wednesday) - short
Message-ID: <41555.owen@apollo.eeel.nist.gov>

In message Thu, 7 Nov 1996 08:37:23 -0500,
Barry Keating <Barry.P.Keating.1@nd.edu> writes:

> Well, I was skunked!

>

> Not a single contact after CQing for two hours. Got a couple of very weak
> signals that I could not decipher, but nothing that I could truthfully
> call a QS0.

>

> I'm not sure what happened. I checked the equipment. I had a QSO with
> Arizona just 1/2 hour before Fox time and had a short QSO with
> Pennsylvania just after Fox time (both stations were full power, non-QRP).
>

Barry it was not your fault. The Bands were El Stinko last night. 40 dead here in Maryland except for foreign BC. 75 may have been worse. I was net control for the VA Fone Net last night and I had to BLAST my way to even be heard, 1200 Watts out (sorry) and they were having trouble copying ME. I had 18 stations check in, 16 I couldn't get more than a word or two and MAYBE the call. The other 2 were running 1000 W + and I copied them at best a 4by3. The shortest net I've run during this Sun Spot Minimum. My usual net runs 45 min to an hour and this one was 17 minutes. Lets hope thing improve soon. 73 Jim K4CGY qrp-1 #72

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [3904] Re: Novice FOX Results (Wednesday) - short
Message-ID: <199611071620.KAA31060@multi2.pic.net>

OK, it all makes sense now. The secret is out and now I understand everything.

For the life of me, I could never figure out where all that Hazelnut coffee came from. No one in his (or her) right mind would voluntarily make the stuff. Now I see that some Texas folks made a bad deal with those aliens to put an alien toxic waste dump right here on earth. I guess H Ross Perot must be the resident alien administrator....

Is this the same stuff that they used to put on the sun that gave it all those ugly sores?

Sheds a little light on this QRP contest thing, where everyone was supposed to operate from a site where strange things happened.

It also explains how Chuck manages to "appear" for dinner in so many places around the country.

BTW, the SETI equipment has spel chekers built in, so, of course it wouldn't trigger on "PENNSYLVANIA 6-5000".

Mike K1MG

Patrick wrote:

> OK, OK, so I let the fox out of the bag. Soooooorry. People have been pushing
> for details on how the Fox Hunt got started, so I might as well tell....
>

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Patrick Taber <ptaber@logiccraft.com>
Subject: [3924] Re: Novice FOX Results (Wednesday) - short
Message-ID: <1.5.4.32.19961107181516.009b8a80@freebird>

>BTW, the SETI equipment has spel chekers built in, so, of course it
>wouldn't trigger on "PENNSYLVANIA 6-5000".

Good catch. I'll have to tell Tim about it next time I see him. ;-)

(There's something wonderfully frivolous about the idea of SETI software being filtered by a spelling checker. I'm sure it must be true. "It can't be intelligent life if they can't spell -- spin the dial!")

>>>==>PStJTT

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Tim Pettibone <tpettibo@nmsu.edu>
Subject: [3940] Re: Novice/Tech+ Fox Sked - Updated
Message-ID: <199611072259.PAA27558@NMSU.Edu>

Bob:

What the heck! I'm scheduled to be a FOX on January 22 as is Brad for the Novice/Tech+. Now this hasn't been confirmed yet, but I may be in St. Lucia on January 22. If so, I'll try to operate as the FOX from there. I'll look into what the licensing situation is. Maybe I'll get busy and get the St. Louis Tuner built! Should make for an interesting evening of FOX hunting - between Hawaii and St. Lucia, if it works out.

Tim AB50U

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996

From: aa8vn <aa8vn@tir.com>
Subject: [3951] Re: One Logging Program?
Message-ID: <3282B1C7.1F9A@tir.com>

e
>
>
>
>
>
>
> I need a program that can sort my DXCC results, WAS, WAC, etc. (all QRP!)
> r
> I tried the following demos; Log-EQF, DX4WIN, SD and WriteLog. I got some
> anyone have any other suggestions?
>
> I use NA for contest and DXBASE for logging. NA requires separate file
for each contest but after the contest and after i have printed the
log , dupe sheet, etc to send in, I import log file to DXBASE. DXBASE
automatically keeps track of dxcc, qrp, countries, worked and confirmed
and not confirmed, cw, ssb, rtty, yl and qrp, plus a host of other
reports. Importing is easy. I copy log file to dxbase and type import at
C prompt. I tell it to load all qso's and it takes just a few seconds.
The program changes my total number of qso's, adds to my countries,
worked but not confirmed and recognizes the mode I used to make
contacts. Each contact imported is tagged as a "import from contest"
which makes it easeier to check for contest QSL managers.
I then can dispose of NA file or copy it to a disk as a backup. Works
well and satisfied with Both programs. Hopes this helps
72, Frank Ex (AA8VN) now W8XI

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Bruce Robertson <brucerob@chass.utoronto.ca>
Subject: [3928] Re: Rotatable delta loop for 20
Message-ID: <Pine.SGI.3.95.961107145846.10158C-1000000@chass.utoronto.ca>

On Thu, 7 Nov 1996, Vic Rosenthal wrote:

> Hi,
>
> I want to build a rotatable delta loop for 20 meters. The problem is
> that this would be an inverted triangle whose sides would each be 23
> feet or so - and I'm worried that it would be hard to make it strong
> enough mechanically.
>

Moxon in _HF Antennas For All Locations_ (I think) uses fiberglass poles for the members that go out at an angle then tensions them with a wire across the top. One could drill holes in a mast for the fiberglass poles, then make a beam.

Moxon is such a good source that I cc'd this to the list.

72, VE3UWL

Bruce G. Robertson Dept. of Classics, U. of T.

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [3934] Re: Rotatable delta loop for 20
Message-ID: <Pine.SOL.3.94.961107162412.951D-100000@utkux4.utcc.utk.edu>

Vic,

On the mechanical side, take a clue from ship mast design. Add a nonconductive horizontal piece at the top (need not be precisely the same height as the radiator) at right angles. Need not be too long, maybe +/- 5'. Run nylon (or sun-resistant) rope to make a non-conductive delta.

This can also be applied to a quad loop set up. In fact, I'd recommend a quad loop over the delta loop. Negligible difference in performance, but 6' shorter vertically if set up square.

If you have to load anywhere, then feed at the top and load the lower side. Get the max current as high as possible. Loading at the top will reduce the effectiveness of that part of the element, and on twenty that means reducing the lower angle radiation the top element produces (or hears, on reception). My 10-meter experiments at reducing quad size suggest that about 70% full size is the lower limit before both gain and F-B take a nose dive (i.e., reduced performance curve is not linear)

Hope this is useful.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Vic Rosenthal <rakefet@rakefet.com>
Subject: [3937] Re: Rotatable delta loop for 20
Message-ID: <328265F7.72CA@rakefet.com>

L. B. Cebik wrote:

>
> Vic,
>
> On the mechanical side, take a clue from ship mast design. Add a
> nonconductive horizontal piece at the top (need not be precisely the same
> height as the radiator) at right angles. Need not be too long, maybe +/-
> 5'. Run nylon (or sun-resistant) rope to make a non-conductive delta.

I see - two horizontals, one on each leg to stiffen them - is that correct?

> This can also be applied to a quad loop set up. In fact, I'd recommend a
> quad loop over the delta loop. Negligible difference in performance, but
> 6' shorter vertically if set up square.

This is worth thinking about - especially since it's easy to shorten the quad with capacitance made out of wire.

Thanks!

Vic K2VCO

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: "Bob Follett" <bfollett@ditell.com>
Subject: [3914] RE: RS PC Scope
Message-ID: <199611071804.LAA01384@orion.ditell.com>

Gang:

Wayne WB7WHI, wrote:

<<
Saw in a recent mailing something about a scope built into a probe that could also be interfaced with a computer - this from Radio Shack. It is supposed to have a 5mhz bandwidth. Is this a good thing? Know nothing about bandwidth and scopes.>>

For those that are interested, there is a review of the scope in this months "Monitoring Times".
Pretty much works as advertised, but you can't do any scaling, adjustments, etc. from the PC. It just displays whatever the settings you made on the

probe. This means you have to flick switches on the probe while measuring to get the display you want.

The report said that the reason for the one year delay was for FCC emissions approval, which failed at the original 20mHz design. Needless to say, 5mHz isn't much for doing any rf probing....

OK Gurus: What is the least expensive, new, scope one can get that meets our QRP needs including rf probing up to 10M? For our purposes, is a 100mHz necessary? or 60, or 40mHz? Are off brand So East Asia scopes a good deal? ie., Goldstar or Alpha?

Inquiring minds want to know...

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [3900] Re: SLV efficiency

From: JessQRP@aol.com
>My response was IN NO WAY intended to be inflammatory. I was just
>trying to offer a tangent duscussion and as usual, failed miserably.

Hi Jess, Did you feel like Copernicus when he told the Pope that the earth was not the center of the universe? :-) There is a tendency in our present society to ignore reality and just feel good. A lot of people feel good about the SLV and that's OK. For people who want to double their radiated RF from that antenna, some improvements are possible and cost nothing at all. The SLV is a great idea and almost any antenna can be improved. The principles for the improvement of *any* short vertical are:

1. Make the loading coil high-Q. Twinlead is not high-Q. Properly spaced bare copper wire wound in an air-core fashion is high-Q. The loading coil is the lossiest point in the antenna. The higher the 'Q', the less the loss.

2. Use a minimum of inductance in the loading coil. This doesn't happen when the antenna is resonant at a frequency

lower than the operating frequency. Top-hat capacitance is one way of decreasing the inductance of the loading coil.

3. Put the inductance as far away from the feedpoint as possible. Center-loaded verticals are more efficient than base-loaded verticals.

4. Use 1/4 wavelength radials at the lowest operating frequency. 64 radials make a reasonable ground plane.

These suggestions are for a no-compromise short vertical. The moral is to understand the compromise points and compromise only when necessary.

73, Cecil, W6RCA, 00TC (not speaking for my employer)

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: "Bob Follett" <bfollett@ditell.com>
Subject: [3915] RE: SS Code Speed
Message-ID: <199611071804.LAA01387@orion.ditell.com>

Gang:

Alan Kaul wrote:

<<I usually load one of the memories (F6 or F7 for example) with my regular message WITH AN ADDED SPACE BETWEEN EACH LETTER. Thus 24 wpm becomes 12 wpm when s p r e a d o u t by spaces. Want to send at exactly 13wpm? Set ALT-V to 26 and use the spaces! 15? Try 30. The letters are sent at the higher speed, but are spaced at the slower setting! >>

I think this is a great suggestion!! I personally find its easier to copy with consistent, high character speeds, but with more spacing. The same goes for longer spacing between information elements. Whats the consensus here? I also use this method, by hand, for the N/T foxes, and they seem to be able to get the exchange quite well.

I guess the general question to the group is: Given our QRP level signal, QSB, etc., is it better to alter the standard character, space, word space ratios to another set of values that is more likely to be properly received at the other end for any given overall thruput speed? (I realize that with heavy QSB, character speed should be less -- Here, I am asking about "normal" levels we encounter on 80, 40, 30, & 20M).

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 E-mail: bfollett@ditell.com

From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [3917] Re: SS Code Speed
Message-ID: <199611071736.LAA32181@multi2.pic.net>

The easiest stuff to copy is words sent at 40 wpm with 15 wpm spaces in between. The hardest ones to copy are those guys who stream all the letters together without any word spaces.

More out of laziness than anything else, I often extend the intercharacter spacing to QRS. However, I do worry about whether the QSK system cuts into the first part of each character.

Mike K1MG

> Gang:
> ...snip...
> I think this is a great suggestion!! I personally find its easier to copy
> with consistent, high character speeds, but with more spacing. The same
> goes for longer spacing between information elements. Whats the
consensus
> here? I also use this method, by hand, for the N/T foxes, and they seem
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> QSB, etc., is it better to alter the standard character, space, word
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with
> heavy QSB, character speed should be less -- Here, I am asking about
> "normal" levels we encounter on 80, 40, 30, & 20M).
>
> 73, Bob
> -----

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: kimitsuka_glen <glenk@dsg.tandem.com>
Subject: [3918] Re: Too much F-B?
Message-ID: <9611071741.AA29785@sid1.dsg.tandem.com>

Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Heh, heh,

Before I read the body of the post, I had to shamefully admit
I am guilty of sending too many FB's in CW qso's...I try not
to but they always seem to come out!

Too much F-B? I wish I had the opportunity! I use a vertical....

How many send too many BT's?

Regards, Glen K6GK

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: "Bob Follett" <bfollett@ditell.com>
Subject: [3913] RE: TS850 Power Mods
Message-ID: <199611071804.LAA01373@orion.ditell.com>

Gang:

While, as Byron says, you can adjust the TS850 power down to the milliwatt level using the CAR control, you have to watch the wattmeter carefully, as the adjustment setting is not very stable. For those looking for the full hardware mod. to adjust power, it was published on the list a while ago, and here is the posting:

<<

From: cjsterl@ix.netcom.com (Craig J. Sterling)
Subject: Knwd ts850 for QRP

Gang,

Saw a post re the TS850 for QRP. This has been my main station rig for the past year and I operate 100% QRP.

The factory spec for minimum power is 10 watts with the POWER CONTROL in the full counter clock-wise position and the CAR CONTROL full

clock-wise position with the frequency set to 14.200.00 into a 50ohm load.

If you remove the bottom plate (not the whole bottom cover) you'll see a very small POT marked MIN PWR or just MIN. Prior to making any adjustments make note of the actual power setting on your power meter, so if you wish to return the unit to its original spec you can. By reducing the POWER control fully CC and advancing the CAR control full Clock-wise, adjust the MIN pot until you get what ever low power setting you wish. You'll notice that when you max the CAR control to its fullest position, the ALC reading on your rig will be way off the scale ... that's OK, but as you reduce power via the internal pot to say 5 watts, the ALC reading should fall into the proper setting.

My rig is presently set to 10 watts Min Pwr and I just adjust power via the CAR control, but the actual power rises as I transmit because I'm below the threshold of the ALC/CAR control ... so adjusting the internal pot to say a 5 watt min pwr allows the ALC to activate and regulate the power properly as it does when the rig is set to 10 or 20 watts as per the factory spec.

I've operated many times in the MW range, just by reducing the CAR control only, but you really have to keep an eye on your pwr meter and readjust the CAR control as needed through out a QSO. Reducing the MIN pwr via the internal pot should eliminate the need for constant power monitoring and readjustment. Reducing the MIN pwr internally should not effect the high end of the rig's MAX pwr ... if it does and it bothers you, just return to the rigs initial setting you noted prior to your adjustments.>>

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr. VOICE: 801.649.6457
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From owner-qrp-l@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: "Paul R. Valko" <prvalko@oakland.edu>
Subject: [3892] Re: VANITY CALLSIGNS es THE ZJL EFFECTIVENESS SCALE
Message-ID: <Pine.OSF.3.95.961107101832.26028A-100000@saturn.acs.oakland.edu>

On Thu, 7 Nov 1996 QLF@mimi@magic.itg.ti.com wrote:

> Since Paul is abandoning the ZJL scale, I would suggest a new scale, hereafter
> known as the Bradfield Scale (nothing vane about me!)
> WB0CGH = 86 bits 86/102 = 0.843

On the ZjL Scale WB0CGH is a 2.3

> The shortest possible call, N5EE = 28 bits. 26/102 = 0.275

N5EE 8.8

> WB8ZJL = 84 84/102 = 0.824

WB8ZJL 1.8

> W8KC = 56 56/102 = 0.549 for a net improvement of

W8KC 8.3ish

> Our buddy K5FO = 54 54/102 = 0.529

K5FO 8.4

> Oh, well. Enough fun and frivolity for one day. Congratulations to all the
> new call holders. Use them in good health.

Ditto! Brad, you are just like an engineer... you left out the ZEN of a
callsign. The Bradfield Scale sounds remarkably like the first
generation of the ZjL Scale :-)

73! =paul= W8KC

We Eight Kentucky Chicken ??? Some wag on the repeater tagged me with
that. I thought this call was pretty safe from silly phonetics, like ZjL
was :-)

ObQRP : No fox in MI last night!

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: wa7twi@primenet.com (Richard Kendrick)
Subject: [3929] RE: Vanity Insanity
Message-ID: <199611070526.WAA16093@primenet.com>

I'm glad I traded in my old call (WA7TWI) for my new call
(N7NT). As soon as I learned of the vanity program last
year, I began preparing for it. My actions were probably

a little anal retentive, but, I'm very happy with my choice. Here's what I did.

First the criteria: I wanted a 1x2 (preferred) or a 2x1 call that was very short for cw contesting. I also wanted the character that came after the 7 to start with a dash and the last character also had to end in a dash. I've had problems in contests where my call was copied as TWE or TWA. I even got a few QSLs back saying "worked WA7TWE" :-(. I also preferred an N7 type call because I felt the W7 calls belonged to two generations older than me, and the K7 calls belonged to the previous generation of hams. The N7 calls were from my peer group. Subjective, I know, but it's how I feel.

Second, determined what calls were available. I bought a SAM Callsign Database at a hamfest in July 1995. Over the next couple of months, I searched the seventh district by hand for all the unused callsigns. I figured out the assignment system and looked for unissued calls in the sequence. Typed the calls into an ascii file and let DOS use its sort program to alphabetize them. This list was widely circulated to other people in the Central Arizona DX Club and elsewhere through various online services.

Next, wrote a program to read the sorted list, calculate the dot element length of each call, append that number to the call, and write that information to a new ascii file. Let DOS again sort it all out.

Picked about fifty or sixty of the shortest calls that met the original character formation criteria and practiced sending them for a few hours each. I planned to use whatever call I got for the next thirty or so years and I wanted to be sure of my choice. Many of the calls were rejected because I just didn't like the sending rhythm. Settled on twenty one N7 calls, one 2x1, and three K7 calls. I didn't have enough N7 choices to fill my list so I improvised.

The calls I chose in order of preference were: N7TW, N7TA, N7NT, N7TM, N7DT, N7MT, N7TK, N7GT, N7KT, N7MA, N7NM, N7TX, N7XT, N7MM (went in gate 1), N7MU, N7TO, N7MK, N7TY, N7DK, N7LX, N7YT, KN7T, K7NT, K7TU, and K7DT. The K7LX call doesn't fit the character criteria but I have an emotional link to the LX suffix. I was KX6LX on Kwajalein Island during 1975-1977. After two years of cw pileups, I really liked the rhythm of LX.

So I got my third choice, and as far as cw contesting is concerned,
I really like my call.

73, Richard

From owner-qrp-1@Lehigh.EDU Thu Nov 7 23:11:51 1996
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)
Subject: [3866] Re: [3818] COLORADO QRP CLUB STATION, now :reputation
Message-ID: <199611070630.WAA00285@netcom11.netcom.com>

This triggers the need to express the thought that came up a couple of
days ago.

Back when I was looking for an Altoids tin for a 49er, my wife got one
from one of her coworkers, so when I got it in the box, I took it to
her work to show them. I didn't transmit, but with a wire in the
courtyard were able to hear CW signals. They were MUCH impressed.
Now, they've sent home a couple of tins from the Celestial Seasonings
herb teas, with a hint that they'd like to see something in one of
them. I've declined to be forced, for many reasons, but given the
home of Celestial Seasonings, maybe someone in the CQC would be
interested in making up a kit. Maybe stacked boards, using SMD
components for us to jump in on with both feet. Maybe even a FM or
SSB rig, to be even more impressive.

Just an idea,
73, doug